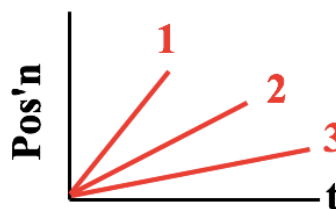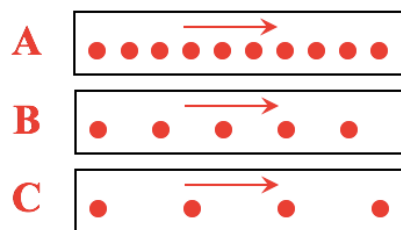# Dots and Graphs

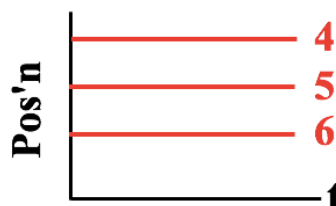**Activity 1: Words and Graphs**
Question Group 1
Question #1
Consider the dot diagrams for Objects A, B, and C. The arrow represents the direction of motion. Match the motion of Objects A, B, and C to one of the lines on the graph. Numbers can be used only one time.

A matches graph:

B matches graph:

C matches graph:

Question #2
Consider the dot diagrams for Objects A, B, and C. The arrow represents the direction of motion. Match the motion of Objects A, B, and C to one of the lines on the graph. Numbers can be used only one time.
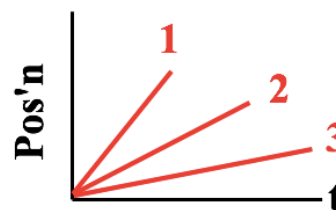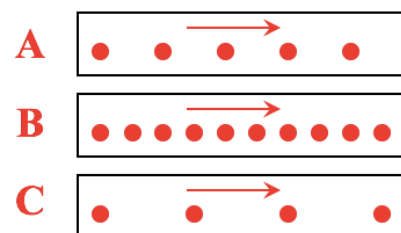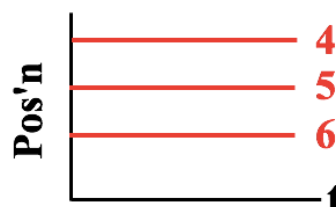
A matches graph:

B matches graph:

C matches graph:

Question #3

Consider the dot diagrams for Objects A, B, and C. The arrow represents the direction of motion. Match the motion of Objects A, B, and C to one of the lines on the graph. Numbers can be used only one time.
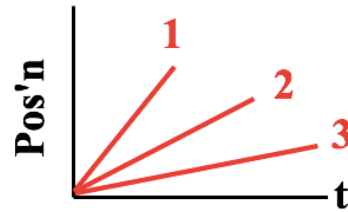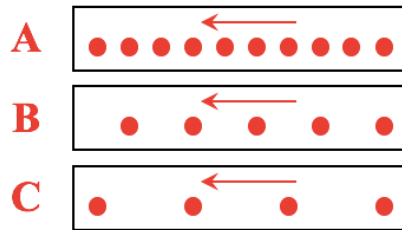
A

B

C

A matches graph:

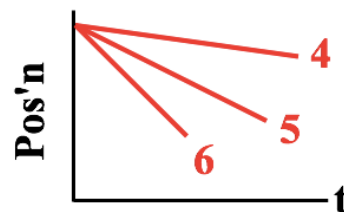**B matches graph:**

C matches graph:

Question #4

Consider the dot diagrams for Objects A, B, and C. The arrow represents the direction of motion. Match the motion of Objects A, B, and C to one of the lines on the graph. Numbers can be used only one time.
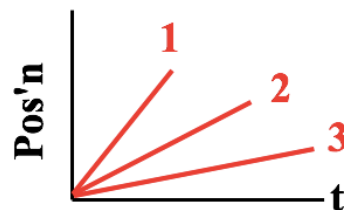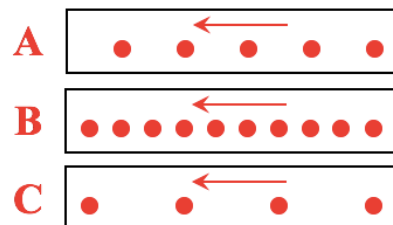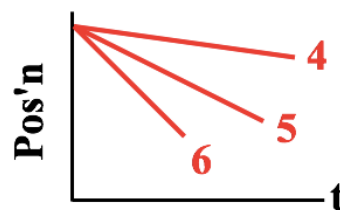
A

B

C

A matches graph:

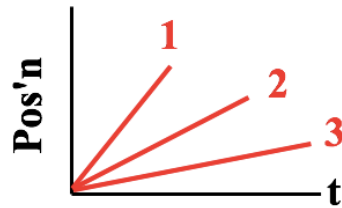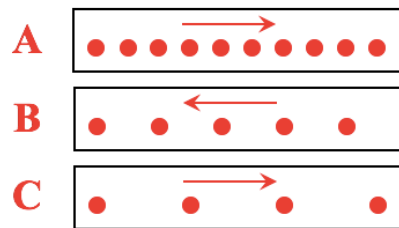**B matches graph:**

C matches graph:
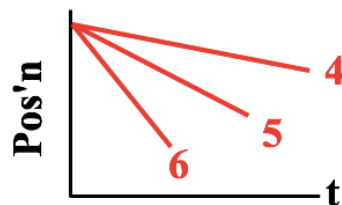
Question Group 2
Question #5
Five stages - labeled A, B, C, D, and E - of an object's motion are represented by the position-time graph below. During which stage(s) is the object moving with a constant speed?

A •••••••••••
B • • • • •
C • • • •

A matches graph:

B matches graph:

C matches graph:

Question #6
Consider the dot diagrams for Objects A, B, and C. The arrow represents the direction of motion. Match the motion of Objects A, B, and C to one of the lines on the graph. Numbers can be used only one time.

A • • • •
B • • • • •
C •••••••••••

A matches graph:

B matches graph:

C matches graph:

Question #7

Five stages - labeled A, B, C, D, and E - of an object's motion are represented by the position-time graph below. During which stage(s) is the object moving with a constant speed?
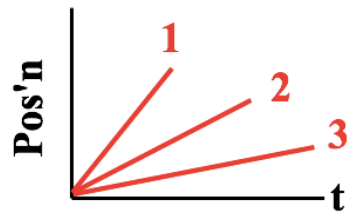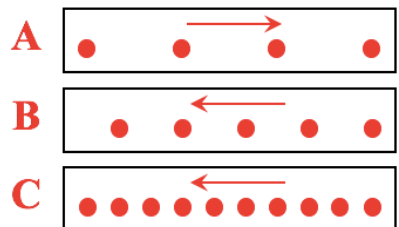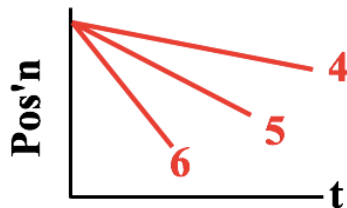

A matches graph:

B matches graph:

C matches graph:

Question #8

Consider the dot diagrams for Objects A, B, and C. The arrow represents the direction of motion. Match the motion of Objects A, B, and C to one of the lines on the graph. Numbers can be used only one time.
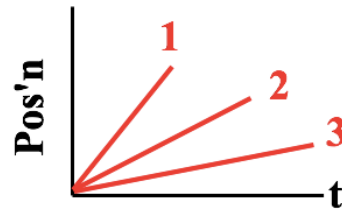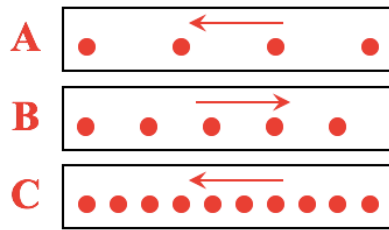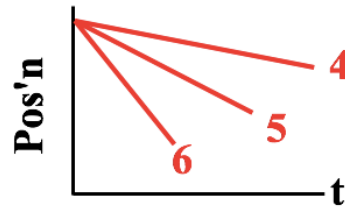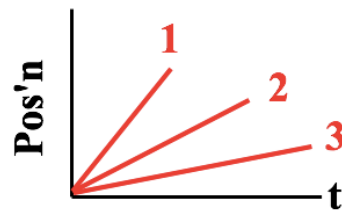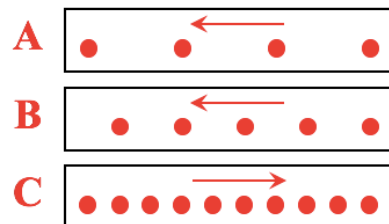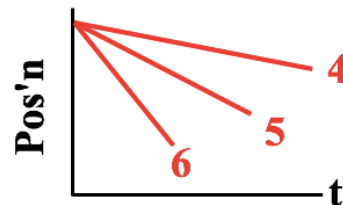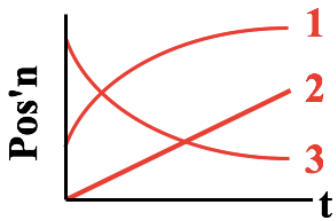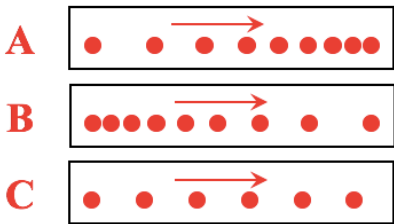

A matches graph:

B matches graph:

C matches graph:
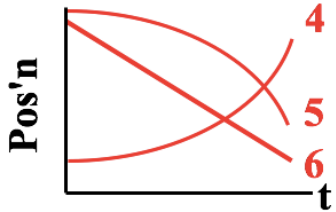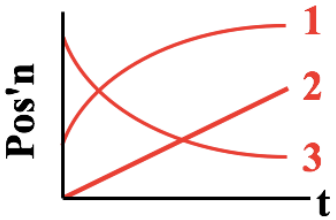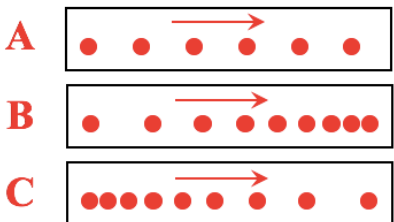
Question Group 3
Question #9
Five stages - labeled A, B, C, D, and E - of an object's motion are represented by the position-time graph below. During which stage(s) is the object moving with a constant speed?

A

B

C

Pos'n

1

2

3

t

A matches graph:

B matches graph:

C matches graph:
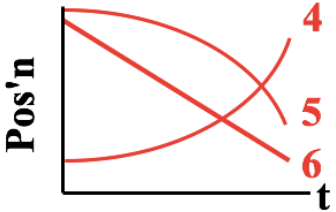
Pos'n

4

5

6

t

Question #10
Consider the dot diagrams for Objects A, B, and C. The arrow represents the direction of motion. Match the motion of Objects A, B, and C to one of the lines on the graph. Numbers can be used only one time.

A

B

C

Pos'n

1

2

3

t

A matches graph:

B matches graph:

C matches graph:

Pos'n

4

5

6

t

Question #11

Five stages - labeled A, B, C, D, and E - of an object's motion are represented by the position-time graph below. During which stage(s) is the object moving with a constant speed?

A

B

C

A matches graph:

B matches graph:

C matches graph:

Pos'n

1

2

3

t

Pos'n

4

5

6

t

Question #12

Consider the dot diagrams for Objects A, B, and C. The arrow represents the direction of motion. Match the motion of Objects A, B, and C to one of the lines on the graph. Numbers can be used only one time.
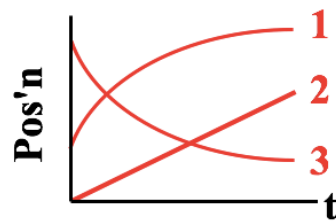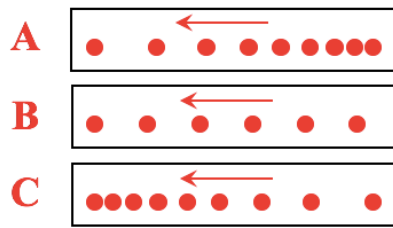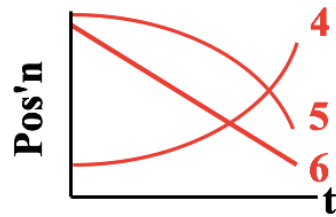
A

B

C

A matches graph:

B matches graph:

C matches graph:

Pos'n

1

2

3

t

Pos'n

4

5

6

t

Question Group 4
Question #13
Five stages - labeled A, B, C, D, and E - of an object's motion are represented by the position-time graph below. During which stage(s) is the object moving with a constant speed?

A

B

C

Pos'n

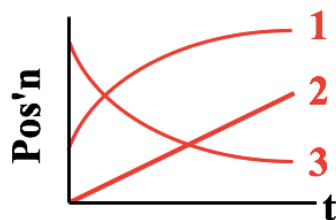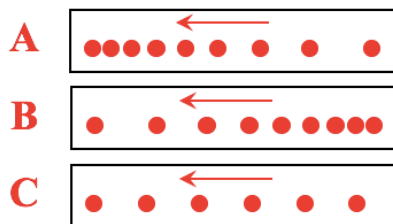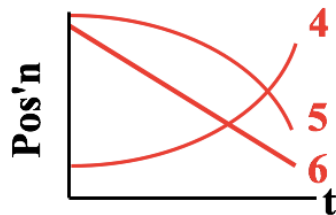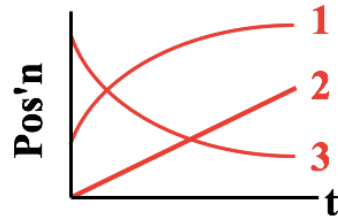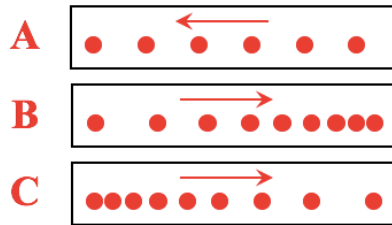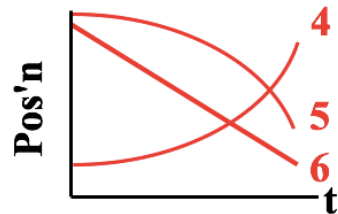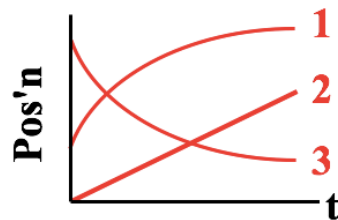1

2

3

t

A matches graph:

B matches graph:

C matches graph:

Pos'n

4

5

6

t

Question #14
Consider the dot diagrams for Objects A, B, and C. The arrow represents the direction of motion. Match the motion of Objects A, B, and C to one of the lines on the graph. Numbers can be used only one time.

A

B

C

Pos'n

1

2

3

t

A matches graph:

B matches graph:

C matches graph:

Pos'n

4

5

6

t

Question #15

Five stages - labeled A, B, C, D, and E - of an object's motion are represented by the position-time graph below. During which stage(s) is the object moving with a constant speed?

A

B

C

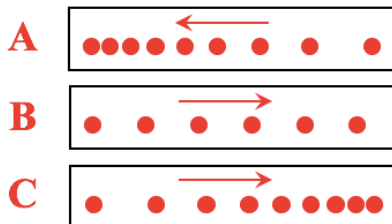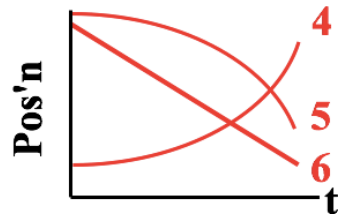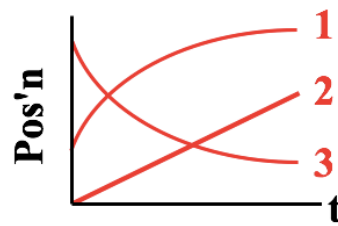**A matches graph:**

B matches graph:

C matches graph:

1

2

3

Pos'n

t

4

5

6

Pos'n

t

Question #16

Consider the dot diagrams for Objects A, B, and C. The arrow represents the direction of motion. Match the motion of Objects A, B, and C to one of the lines on the graph. Numbers can be used only one time.
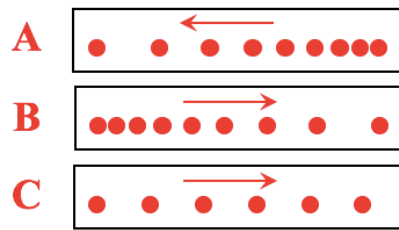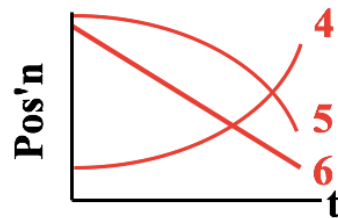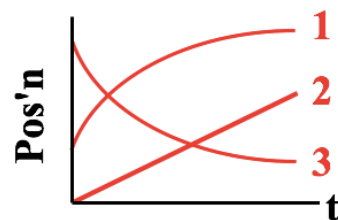
A

B

C

A matches graph:

B matches graph:

C matches graph:

1

2

3

Pos'n

t

4

5

6

Pos'n

t

Question Group 5
Question #17
Five stages - labeled A, B, C, D, and E - of an object's motion are represented by the position-time graph below. During which stage(s) is the object moving with a constant speed?
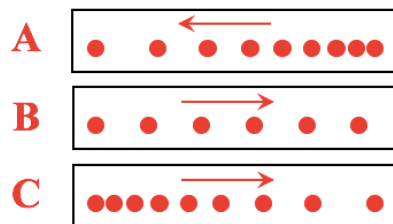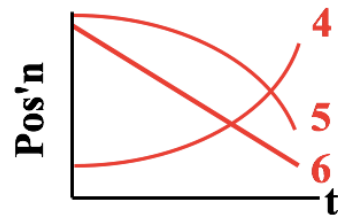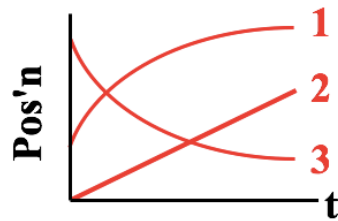
A

B

C

A matches graph:

B matches graph:

C matches graph:

Pos'n

1

2

3

t

Pos'n

4

5

6

t

Question #18
Consider the dot diagrams for Objects A, B, and C. The arrow represents the direction of motion. Match the motion of Objects A, B, and C to one of the lines on the graph. Numbers can be used only one time.
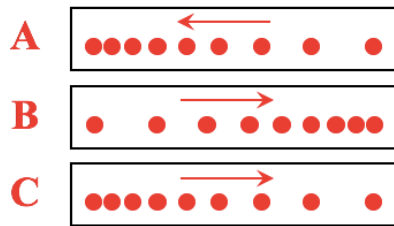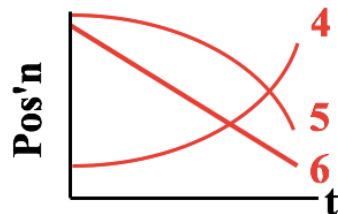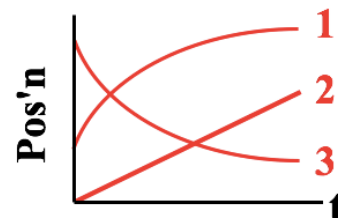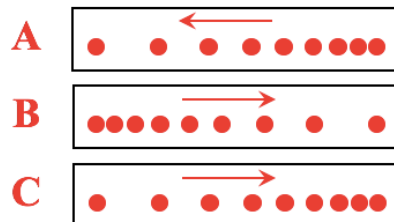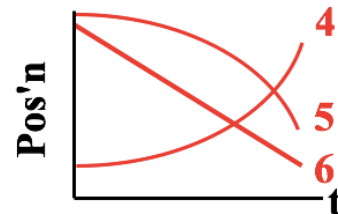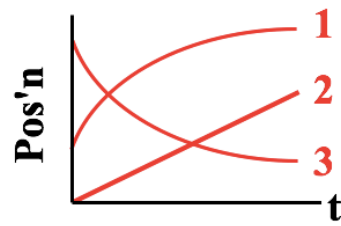
A

B

C

A matches graph:

B matches graph:

C matches graph:

Pos'n

1

2

3

t

Pos'n

4

5

6

t

Question #19

Five stages - labeled A, B, C, D, and E - of an object's motion are represented by the position-time graph below. During which stage(s) is the object moving with a constant speed?

A

B

C

Pos'n

1
2
3
t

A matches graph:

B matches graph:

C matches graph:

Pos'n

4
5
6
t

Question #20

Consider the dot diagrams for Objects A, B, and C. The arrow represents the direction of motion. Match the motion of Objects A, B, and C to one of the lines on the graph. Numbers can be used only one time.
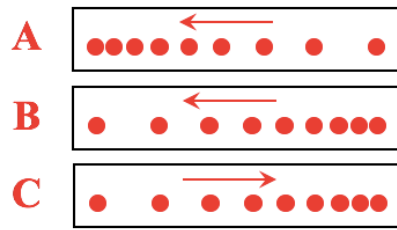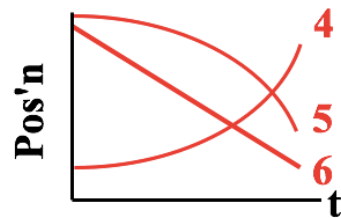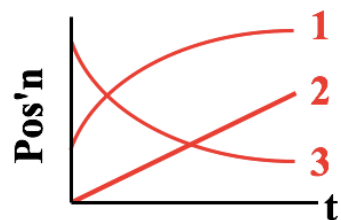
A

B

C

Pos'n

1
2
3
t

A matches graph:

B matches graph:

C matches graph:

Pos'n

4
5
6
t

Question Group 6
Question #21
Five stages - labeled A, B, C, D, and E - of an object's motion are represented by the position-time graph below. During which stage(s) is the object moving with a constant speed?
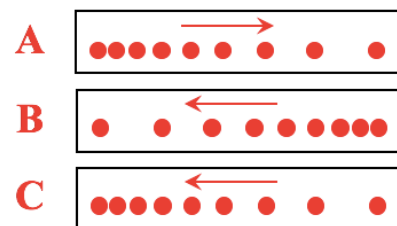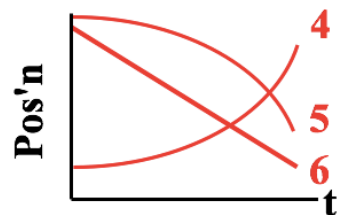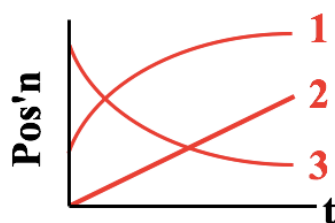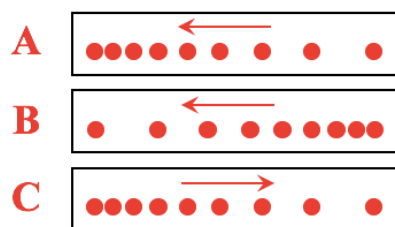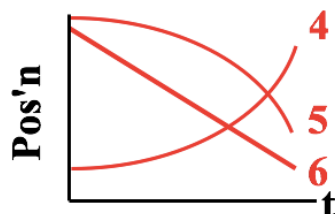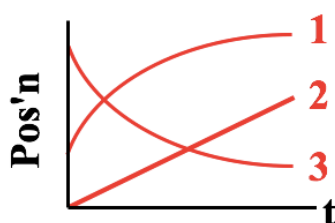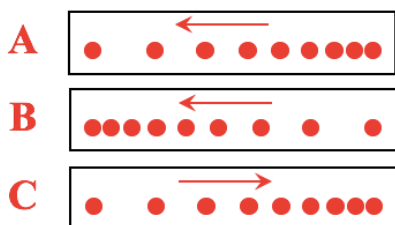
A

B

C

Pos'n ⟍ 1, 2, 3 ⟋ t

A matches graph:

B matches graph:

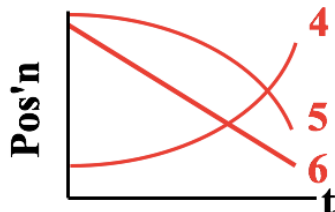C matches graph:

Pos'n ⟍ 4, 5, 6 t

Question #22
Consider the dot diagrams for Objects A, B, and C. The arrow represents the direction of motion. Match the motion of Objects A, B, and C to one of the lines on the graph. Numbers can be used only one time.

A

B

C

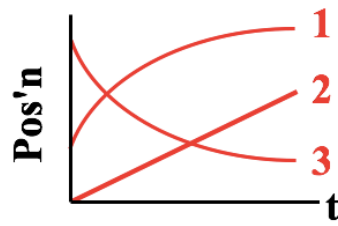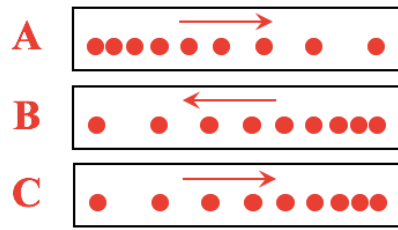Pos'n ⟍ 1, 2, 3 t

A matches graph:

B matches graph:
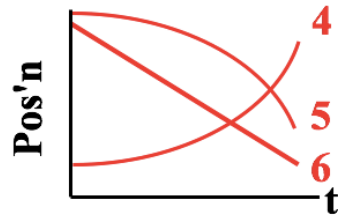
C matches graph:

Pos'n ⟍ 4, 5, 6 t

Question #23

Five stages - labeled A, B, C, D, and E - of an object's motion are represented by the position-time graph below. During which stage(s) is the object moving with a constant speed?
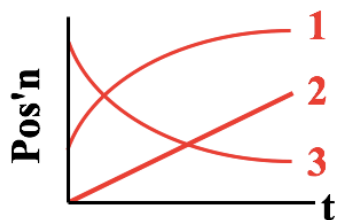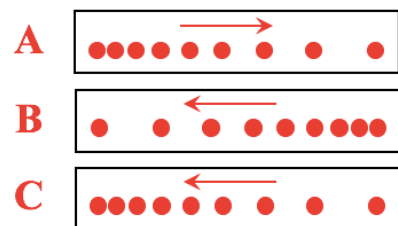
A

B

C

1

2

3

Pos'n

t

A matches graph:

B matches graph:
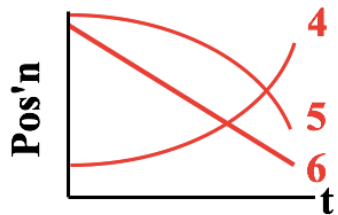
C matches graph:

4

5

6

Pos'n

t

Question #24

Consider the dot diagrams for Objects A, B, and C. The arrow represents the direction of motion. Match the motion of Objects A, B, and C to one of the lines on the graph. Numbers can be used only one time.

A

B

C

1

2

3

Pos'n

t

A matches graph:

B matches graph:

C matches graph:

4

5

6

Pos'n
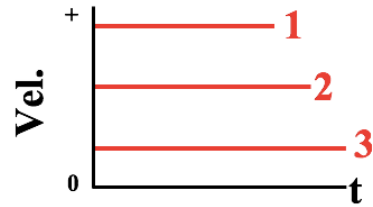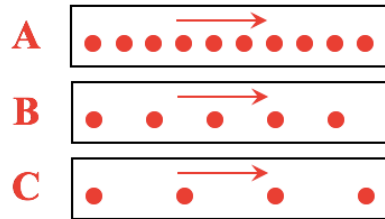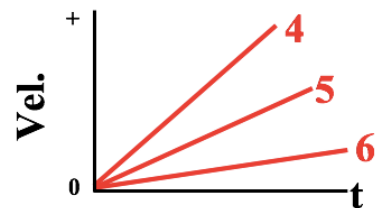
t

Question Group 7
Question #25
Five stages - labeled A, B, C, D, and E - of an object's motion are represented by the position-time graph below. During which stage(s) is the object moving with a constant speed?

A [•••••••••••]

B [• • • • •]

C [• • • •]

Vel. / t graph:
1
2
3

A matches graph:

B matches graph:

C matches graph:

Vel. / t graph:
4
5
6

Question #26
Consider the dot diagrams for Objects A, B, and C. The arrow represents the direction of motion. Match the motion of Objects A, B, and C to one of the lines on the graph. Numbers can be used only one time.

A [• • • • •]

B [•••••••••••]

C [• • • •]

Vel. / t graph:
1
2
3

A matches graph:

B matches graph:

C matches graph:

Vel. / t graph:
4
5
6

Question #27

Five stages - labeled A, B, C, D, and E - of an object's motion are represented by the position-time graph below. During which stage(s) is the object moving with a constant speed?
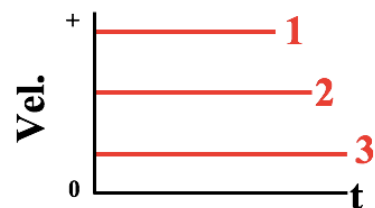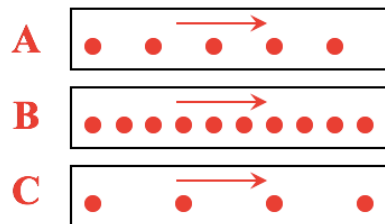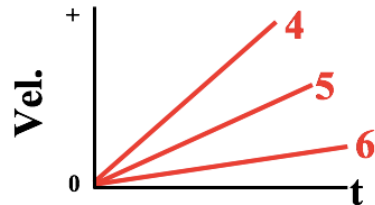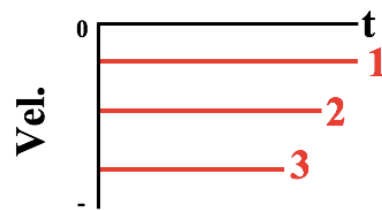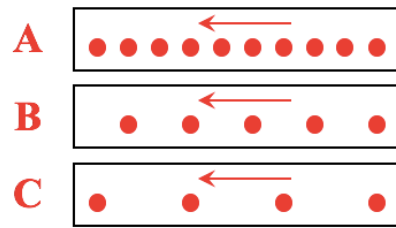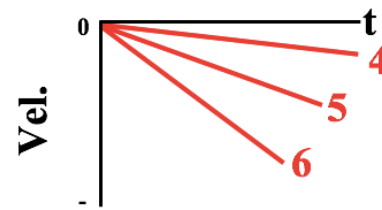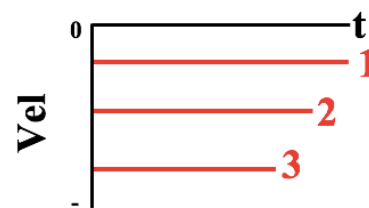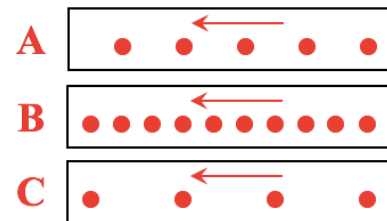
A matches graph:

B matches graph:
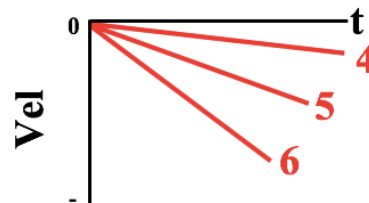
C matches graph:

Question #28

Consider the dot diagrams for Objects A, B, and C. The arrow represents the direction of motion. Match the motion of Objects A, B, and C to one of the lines on the graph. Numbers can be used only one time.
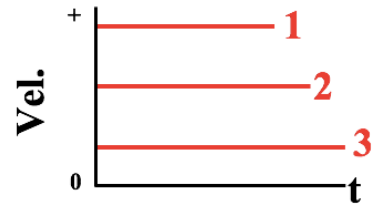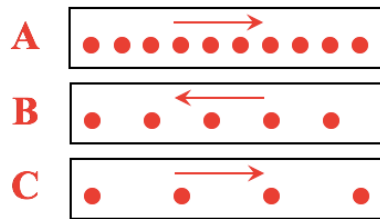
A matches graph:

B matches graph:

C matches graph:
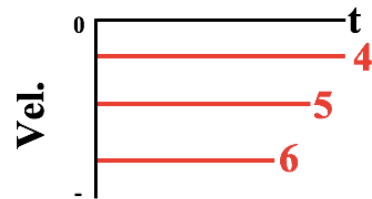
Question Group 8
Question #29
Five stages - labeled A, B, C, D, and E - of an object's motion are represented by the position-time graph below. During which stage(s) is the object moving with a constant speed?
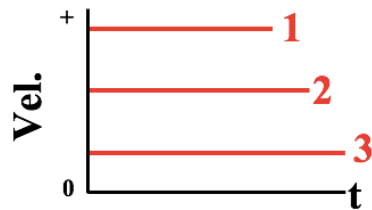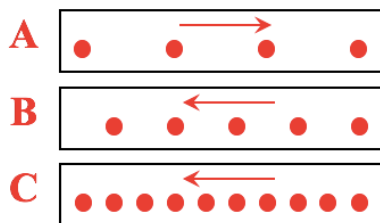
A

B

C

A matches graph:

B matches graph:
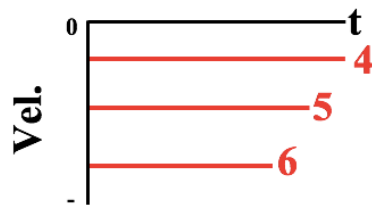
C matches graph:

Question #30
Consider the dot diagrams for Objects A, B, and C. The arrow represents the direction of motion. Match the motion of Objects A, B, and C to one of the lines on the graph. Numbers can be used only one time.
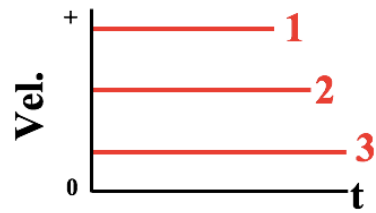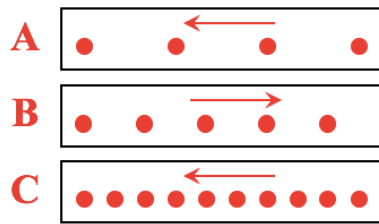
A

B

C

A matches graph:
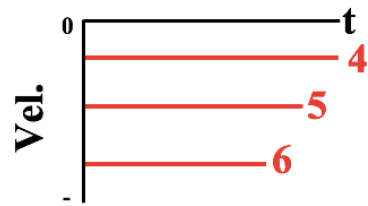
B matches graph:

C matches graph:

Question #31

Five stages - labeled A, B, C, D, and E - of an object's motion are represented by the position-time graph below. During which stage(s) is the object moving with a constant speed?
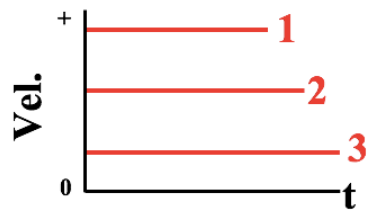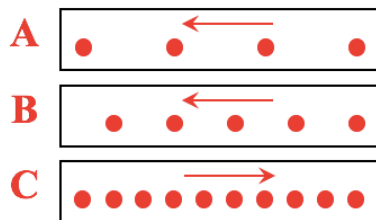
A

B

C

+

Vel.

1

2

3

0

t

0

t

Vel.

4

5

6

-

A matches graph:

B matches graph:
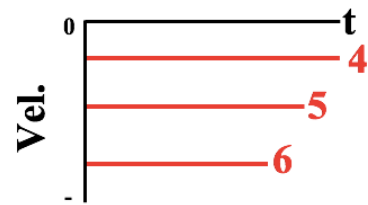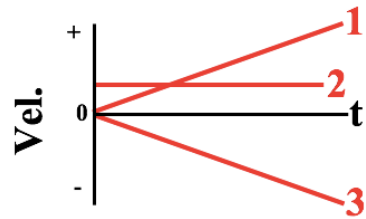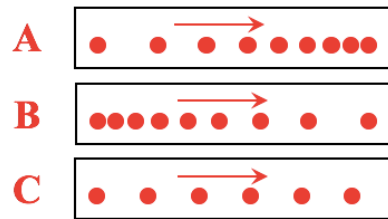
C matches graph:

Question #32

Consider the dot diagrams for Objects A, B, and C. The arrow represents the direction of motion. Match the motion of Objects A, B, and C to one of the lines on the graph. Numbers can be used only one time.

A

B

C

+

Vel.

1

2

3

0

t

0

t

Vel.

4

5

6

-

A matches graph:

B matches graph:

C matches graph:
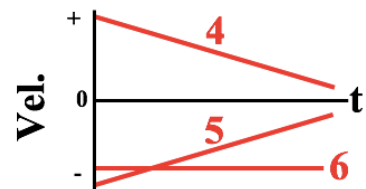
Question Group 9
Question #33
Five stages - labeled A, B, C, D, and E - of an object's motion are represented by the position-time graph below. During which stage(s) is the object moving with a constant speed?
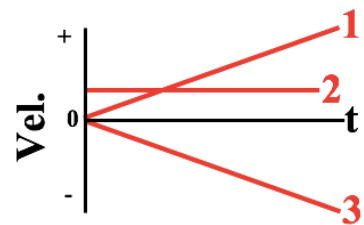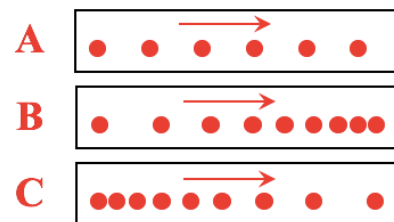
A

B

C

A matches graph:

B matches graph:
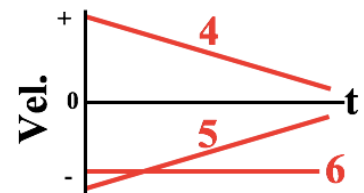
C matches graph:

Question #34
Consider the dot diagrams for Objects A, B, and C. The arrow represents the direction of motion. Match the motion of Objects A, B, and C to one of the lines on the graph. Numbers can be used only one time.
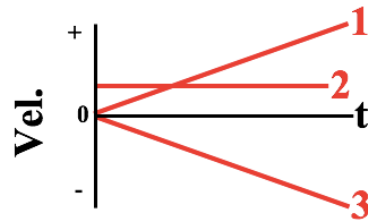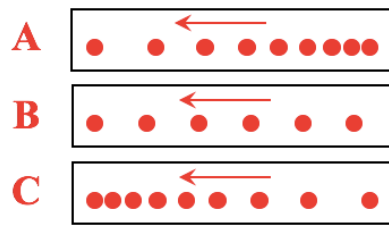
A

B

C

A matches graph:
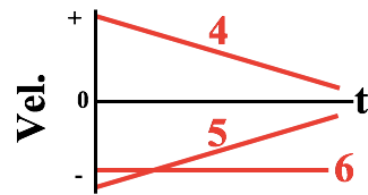
B matches graph:

C matches graph:

Question #35
Five stages - labeled A, B, C, D, and E - of an object's motion are represented by the position-time graph below. During which stage(s) is the object moving with a constant speed?
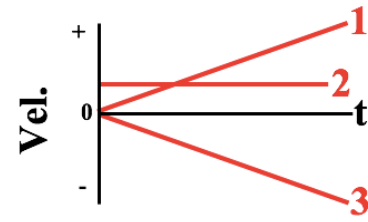
A

B

C

A matches graph:

B matches graph:

C matches graph:

Question #36
Consider the dot diagrams for Objects A, B, and C. The arrow represents the direction of motion. Match the motion of Objects A, B, and C to one of the lines on the graph. Numbers can be used only one time.

A

B

C

A matches graph:

B matches graph:

C matches graph:

Question Group 10
Question #37
Five stages - labeled A, B, C, D, and E - of an object's motion are represented by the position-time graph below. During which stage(s) is the object moving with a constant speed?
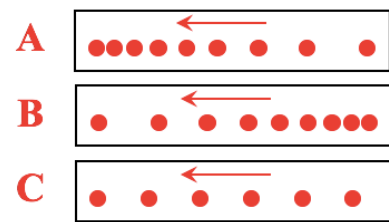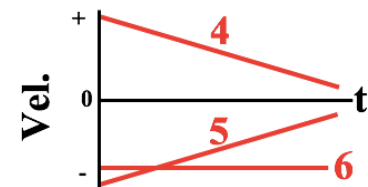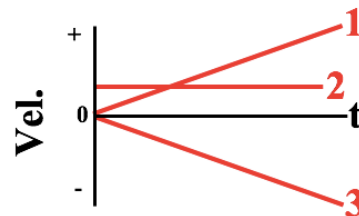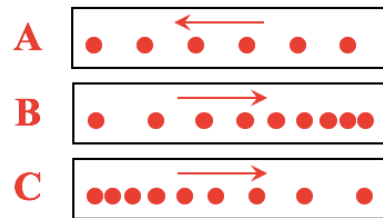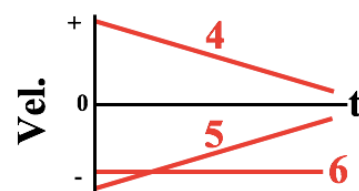
A

B

C

Vel.

+

0

t

1

2

-

3

A matches graph:

B matches graph:

C matches graph:

Vel.

+

0

t

4

5

-

6

Question #38
Consider the dot diagrams for Objects A, B, and C. The arrow represents the direction of motion. Match the motion of Objects A, B, and C to one of the lines on the graph. Numbers can be used only one time.

A

B

C

Vel.

+

0

t

1

2

-

3

A matches graph:

B matches graph:

C matches graph:

Vel.

+

0

t

4

5

-

6

Question #39

Five stages - labeled A, B, C, D, and E - of an object's motion are represented by the position-time graph below. During which stage(s) is the object moving with a constant speed?
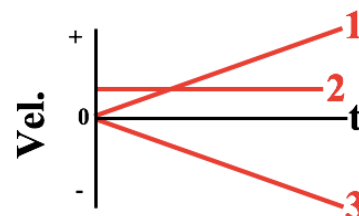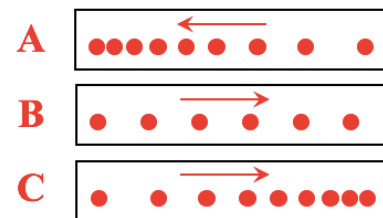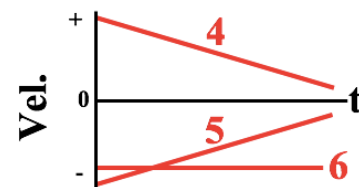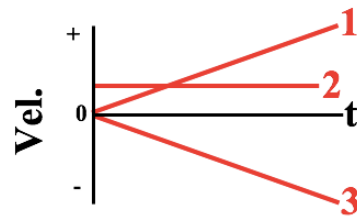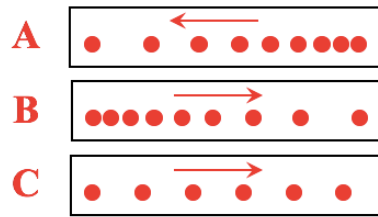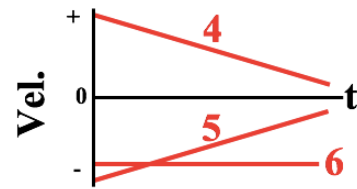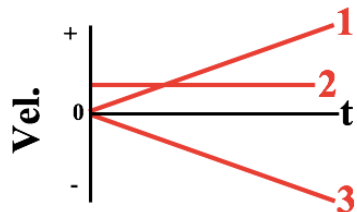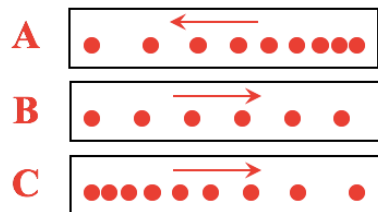

A matches graph:

B matches graph:
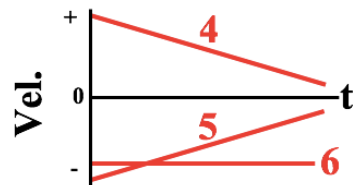
C matches graph:

Question #40

Consider the dot diagrams for Objects A, B, and C. The arrow represents the direction of motion. Match the motion of Objects A, B, and C to one of the lines on the graph. Numbers can be used only one time.
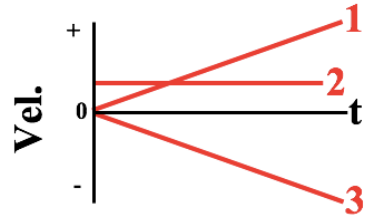

A matches graph:

B matches graph:

C matches graph:

Question Group 11
Question #41
Five stages - labeled A, B, C, D, and E - of an object's motion are represented by the position-time graph below. During which stage(s) is the object moving with a constant speed?

A

B

C

A matches graph:

B matches graph:

C matches graph:

Question #42
Consider the dot diagrams for Objects A, B, and C. The arrow represents the direction of motion. Match the motion of Objects A, B, and C to one of the lines on the graph. Numbers can be used only one time.
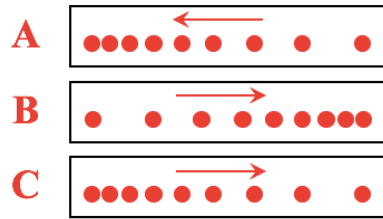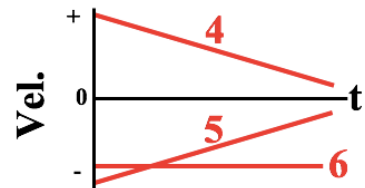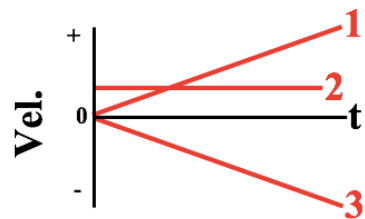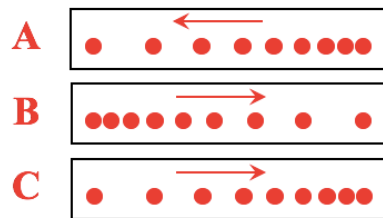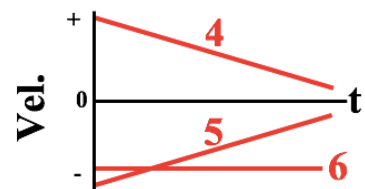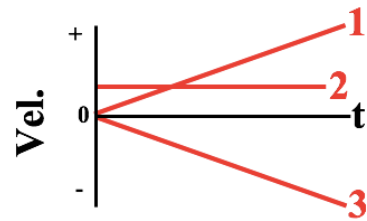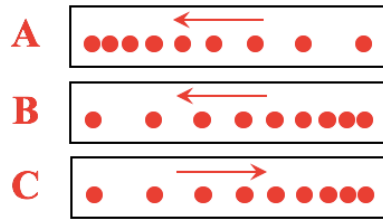
A

B

C

A matches graph:
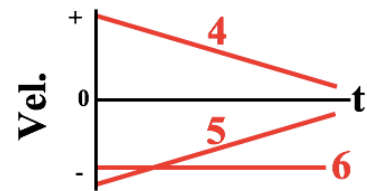
B matches graph:

C matches graph:

Question #43

Five stages - labeled A, B, C, D, and E - of an object's motion are represented by the position-time graph below. During which stage(s) is the object moving with a constant speed?

A

B

C

Vel.

+

0

t

1

2

3

-

A matches graph: _____

B matches graph: _____

C matches graph: _____

Vel.

+

0

t

4

5

6

-

Question #44

Consider the dot diagrams for Objects A, B, and C. The arrow represents the direction of motion. Match the motion of Objects A, B, and C to one of the lines on the graph. Numbers can be used only one time.

A

B

C

Vel.

+

0

t

1

2

3

-

A matches graph: _____

B matches graph: _____

C matches graph: _____

Vel.

+

0

t

4

5

6

-

Question Group 12
Question #45
Five stages - labeled A, B, C, D, and E - of an object's motion are represented by the position-time graph below. During which stage(s) is the object moving with a constant speed?
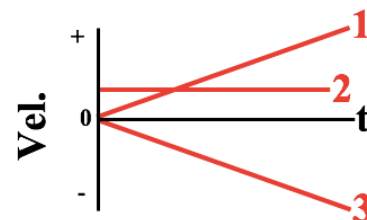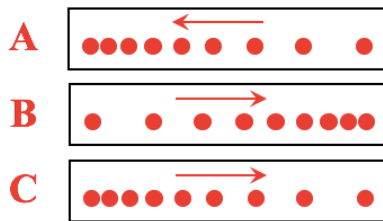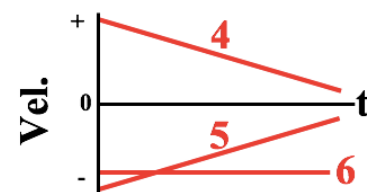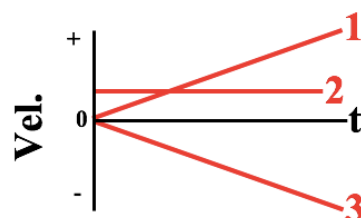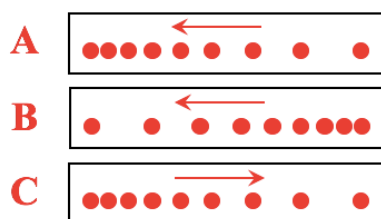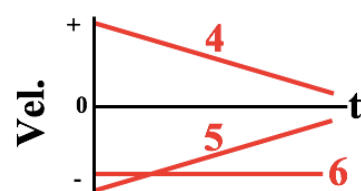
A
B
C

Vel.
+
0
t
1
2
3

A matches graph:

B matches graph:

C matches graph:

Vel.
+
0
t
4
5
6

Question #46
Consider the dot diagrams for Objects A, B, and C. The arrow represents the direction of motion. Match the motion of Objects A, B, and C to one of the lines on the graph. Numbers can be used only one time.

A
B
C

Vel.
+
0
t
1
2
3

A matches graph:

B matches graph:

C matches graph:

Vel.
+
0
t
4
5
6

Question #47
Five stages - labeled A, B, C, D, and E - of an object's motion are represented by the position-time graph below. During which stage(s) is the object moving with a constant speed?
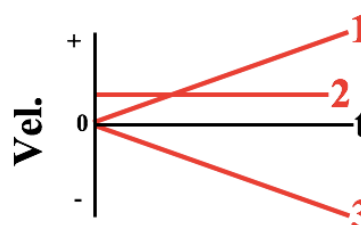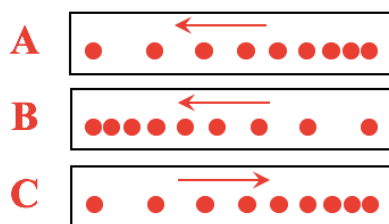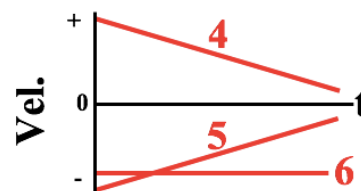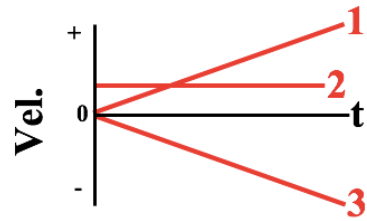

A matches graph:

B matches graph:

C matches graph:

Question #48
Consider the dot diagrams for Objects A, B, and C. The arrow represents the direction of motion. Match the motion of Objects A, B, and C to one of the lines on the graph. Numbers can be used only one time.
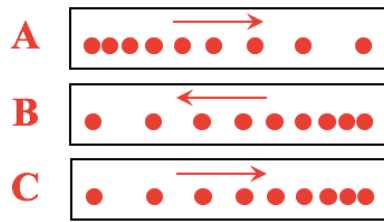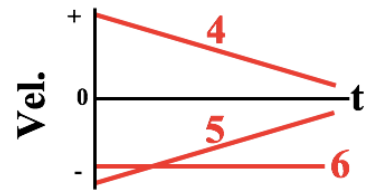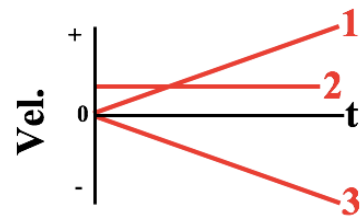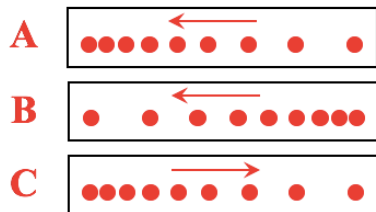

A matches graph:

B matches graph:

C matches graph: