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CHAPTER 7

Multiple Choice

Test C

Choose the best answer.

1. Which ordered pair is a solution of the equation: $7x - 4y = 5$?

A (3, 4) **C** (0, −4)

B (2, 3) **D** (3, 24)

2. Which ordered pair is a solution of the equation: $5x + 1 = y$?

F (−1, −4) **H** (−5, −5)

G (−5, −4) **J** (1, −4)

3. For which equation is the ordered pair (3, −8) a solution?

A $y - 3x = -1$ **C** $-y - 2x = 2$

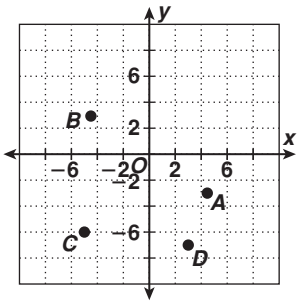
B $3y + x = 1$ **D** $y + 3x = -15$

4. The equation $t = 1.13p$ gives the total cost of an item after a 13% tax is added. What is total cost t of an item p which costs $36.26 before the tax? Write your answer as an ordered pair.

F (36.26, 4.71) **H** (36.26, 40.97)

G (36.26, 31.55) **J** (36.26, 77.23)

Use the following graph to answer questions 5–8.



5. Give the coordinates of point *C*.

A (−5, −7) **C** (−6, −5)

B (−5, −6) **D** (5, −6)

6. Give the coordinates of point *B*.

F (−3, 4.5) **H** (4.5, −3)

G (−4.5, 3) **J** (−4.5, −3)

7. Which of the following coordinate pairs is located in the same quadrant as point *D*?

A (9, −8) **C** (−10, −8)

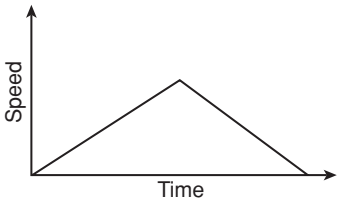
B (6.5, 8) **D** (0, −8)

8. Which of the following coordinate pairs is located in the same quadrant as point *B*?

F (9, −8) **H** (−10, 8)

G (6.5, 0) **J** (0, −8)

9. Which of the following situations corresponds to this graph?



A An object is lifted slowly, then lowered slowly.

B A car accelerates from a stop, then gradually stops.

C An object starts falling, accelerates, and then falls slowly.

D An airplane climbs to 29,000 feet, then descends.

10. If speed is represented on the *y*-axis and time on the *x*-axis, how will acceleration be represented on a graph?

F horizontal line **H** sloping line

G vertical line **J** point

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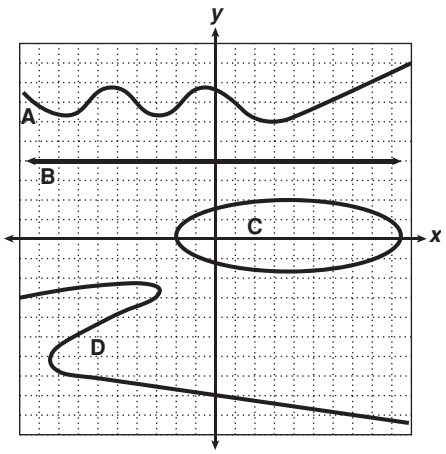
Name _____ Date _____ Class _____

CHAPTER 7

Multiple Choice

Test C, continued

11. Which of the lines on the graph below cannot indicate a function?



A A and B
B C and D
C A, C, D
D A, B, C, D

12. Which equation represents the values on the table below?

x	−1	0	1	2	3
y	12	10	8	6	4

F $y - 2x = 14$
G $y + 2x = 10$
H $2y + x = 23$
J $y + x = 11$

Use the following table to answer questions 13–14.

a	−2	−1	0	1	2
w	−2.8	−2.3	−1.8	−1.3	−0.8
x	−2.8	−2.4	−2.0	−1.6	−1.2
y	−2.8	−2.4	−2.0	0	0.4
z	−2.8	−1.8	−0.8	0.2	1.2

13. Which equation describes w?

A $w = 0.5a - 1.8$
B $w = 0.5a + 1.8$
C $w = 0.5(a - 1.8)$
D $w = 2a + 1.2$

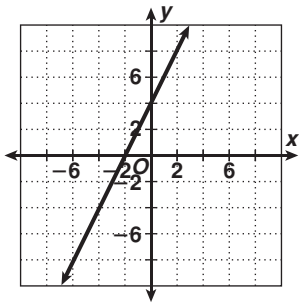
14. Which set describes $0.4a - 2$?

F w
G x
H y
J z

15. List two ordered pairs on the graph of $y = \frac{2}{3}x + 5$.

A (−3, 7), (3, 7)
B (6, 9), (−6, −9)
C (0, 5), (−2, 2)
D (−3, 3), (3, 7)

Use the graph for 16–17.



16. Which equation represents the data on the graph?

F $y = 2x + 4$
G $y = 2x - 4$
H $y = -2x + 4$
J $y = -2x - 4$

17. Which ordered pair belongs on the graph?

A (−1, 0)
B (0, 3)
C (1, 6)
D (2, 6)

18. Identify the missing term:
−4.25, −2.75, ___, 0.25, 1.75, …

F −1.25
G −0.50
H −0.25
J 0

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