

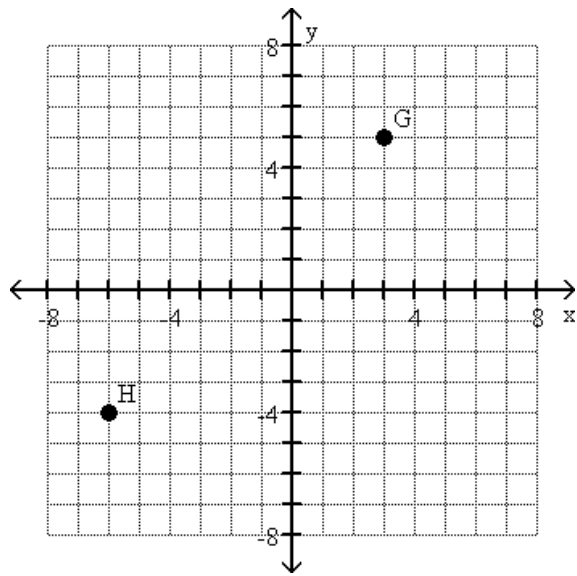
4.1.28 Rectangular Coordinate System 2

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

Write the coordinates for each point.

1)

1) _____

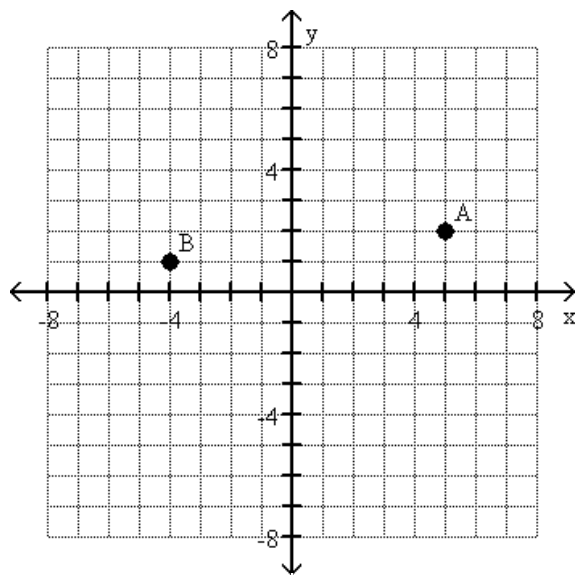


- A) $G(3, -4)$; $H(5, -4)$
- C) $G(5, 22)$; $H(-4, -6)$

- B) $G(3, 5)$; $H(-6, -4)$
- D) $G(3, 5)$; $H(-4, -6)$

2)

2) _____

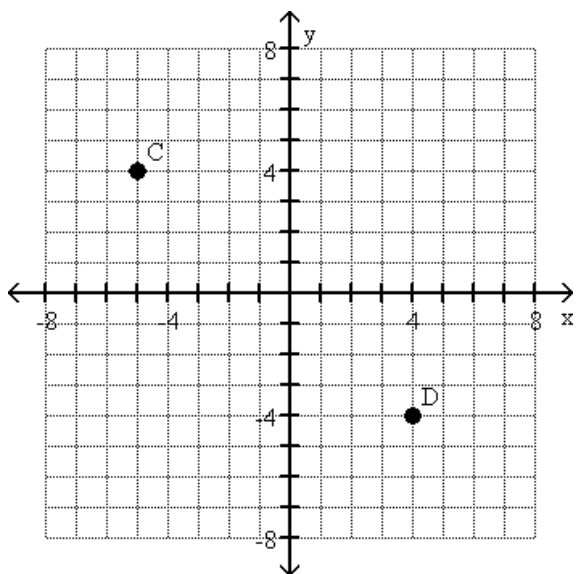


- A) $A(5, 2)$; $B(-4, 1)$
- C) $A(2, 26)$; $B(1, -4)$

- B) $A(5, 2)$; $B(1, -4)$
- D) $A(5, 1)$; $B(2, 1)$

3)

3) _____

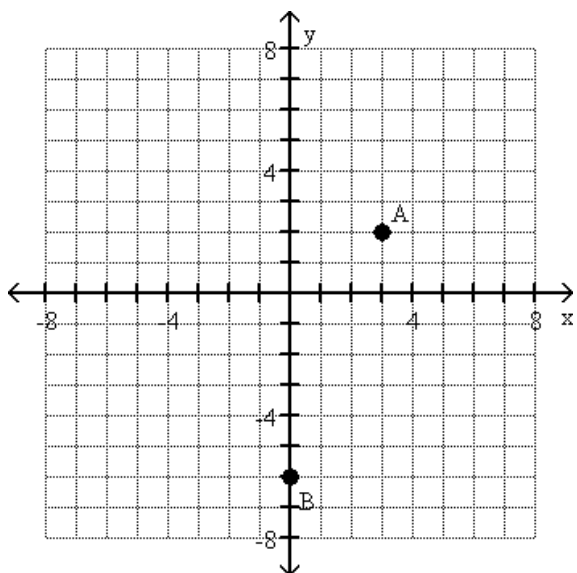


- A) $C(-5, -4); D(4, -4)$
- C) $C(4, 6); D(-4, 4)$

- B) $C(-5, 4); D(-4, 4)$
- D) $C(-5, 4); D(4, -4)$

4)

4) _____

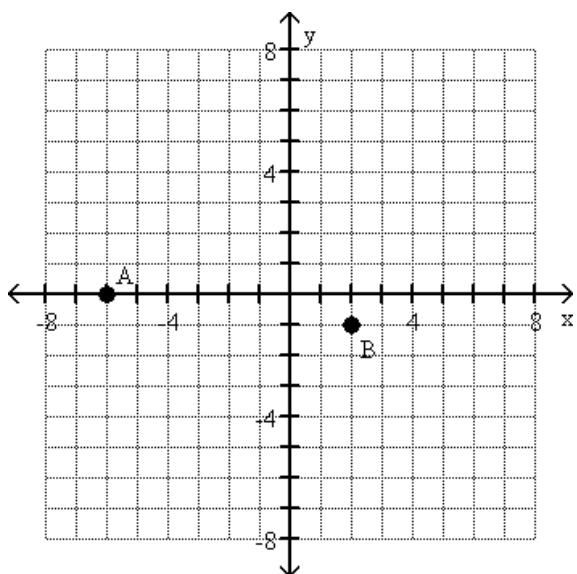


- A) $A(3, 2); B(0, -6)$
- C) $A(3, -2); B(1, -6)$

- B) $A(-3, 2); B(0, 6)$
- D) $A(3, 2); B(0, 6)$

5)

5) _____



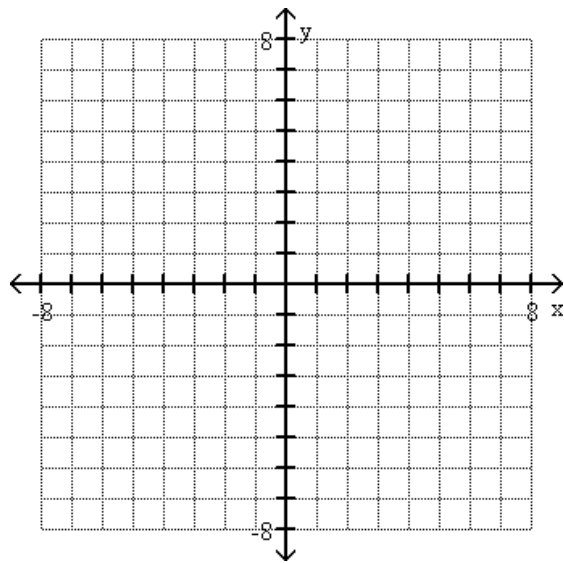
- A) $A(-6, 0); B(2, -1)$
- C) $A(-6, 6); B(2, -1)$

- B) $A(6, 0); B(2, -1)$
- D) $A(-6, 0); B(-2, -1)$

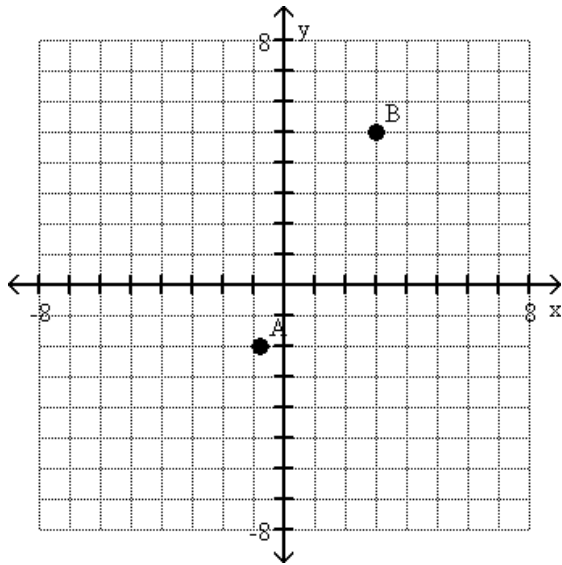
Plot and label the points indicated by the coordinate pairs.

6) $A(-\frac{4}{5}, -2)$, $B(-3, 5)$

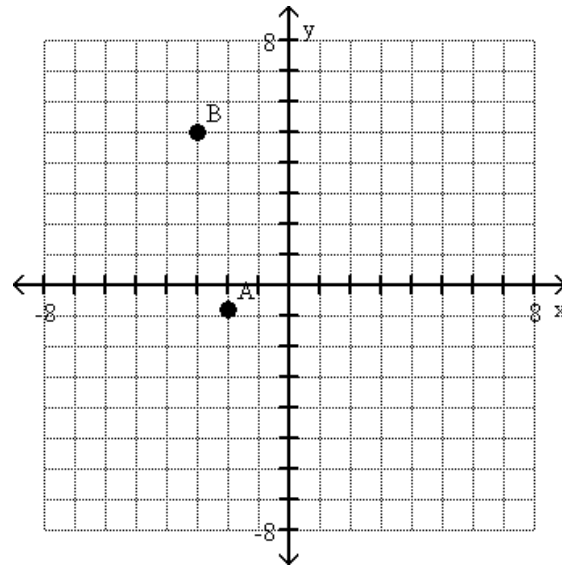
6) _____



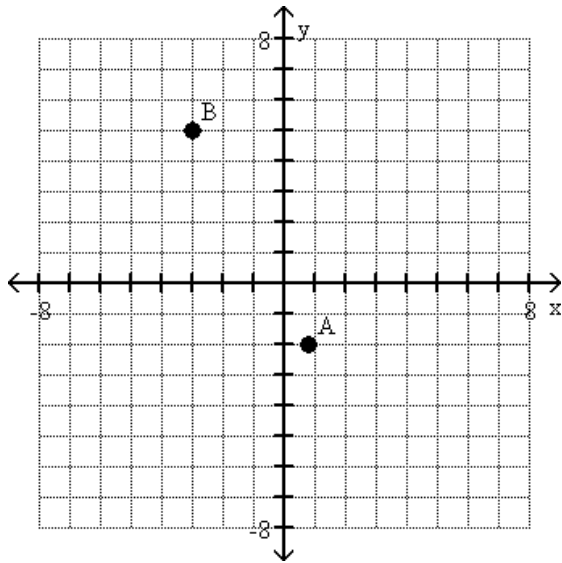
A)



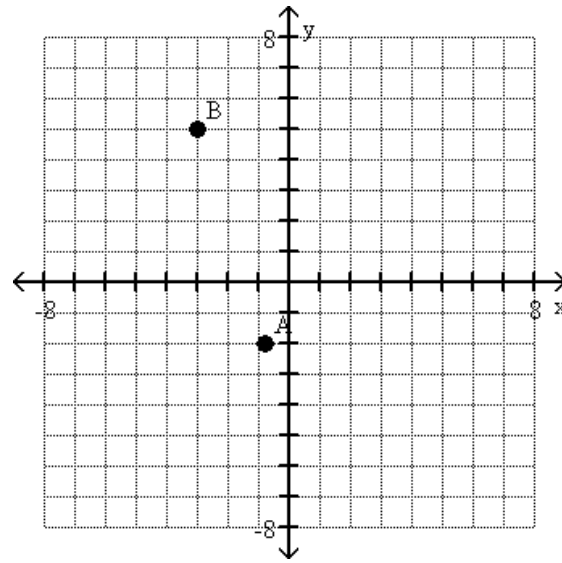
B)



C)

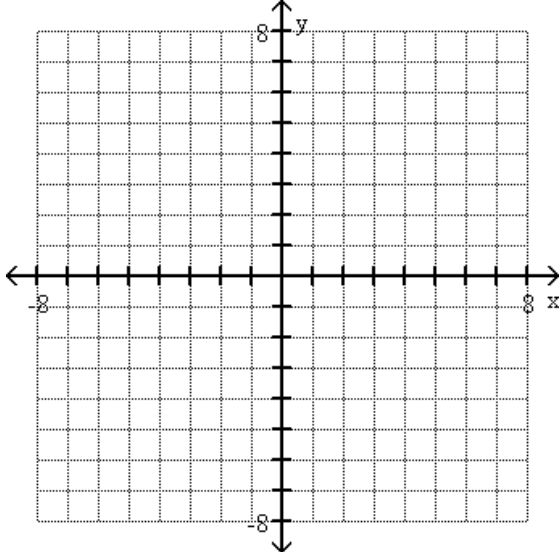


D)

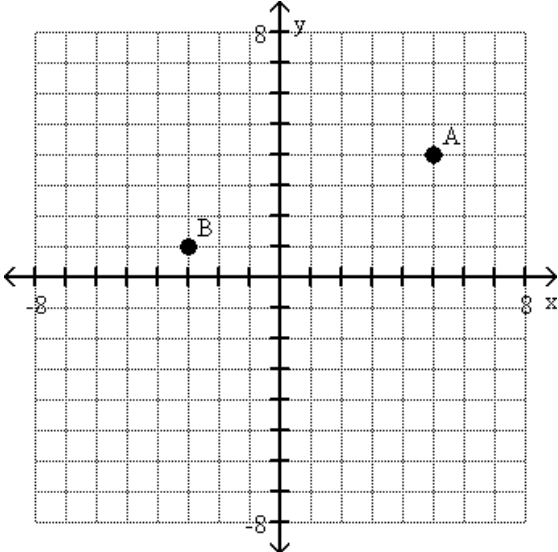


7) $A(5, 4), B(-3, 1)$

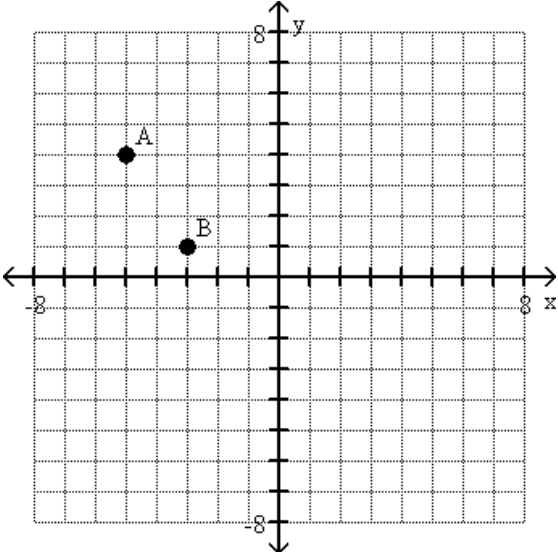
7) _____



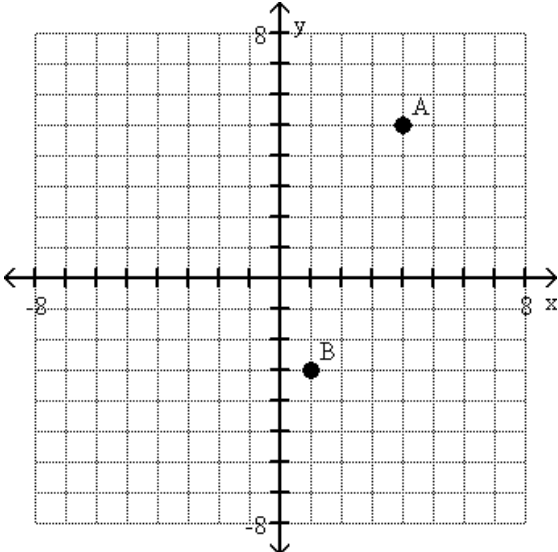
A)



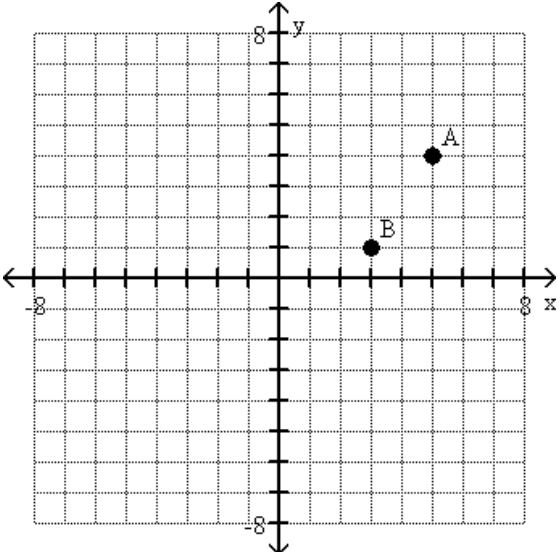
B)



C)

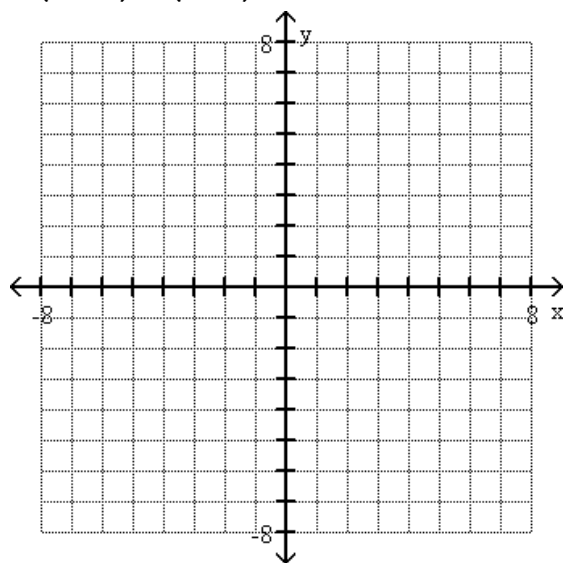


D)

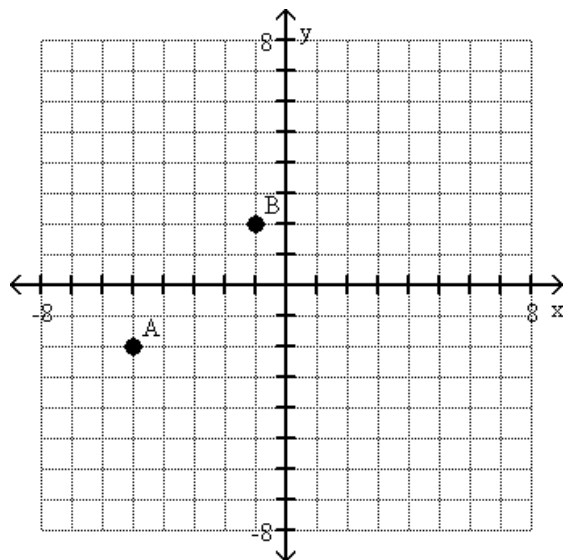


8) $A(-5, -2)$, $B(-1, 2)$

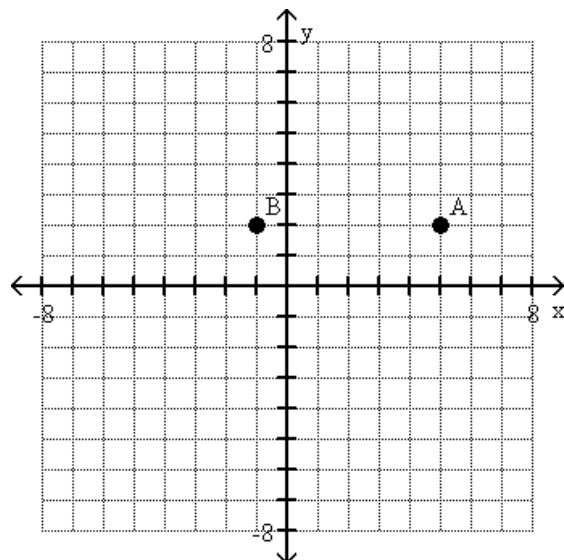
8) _____



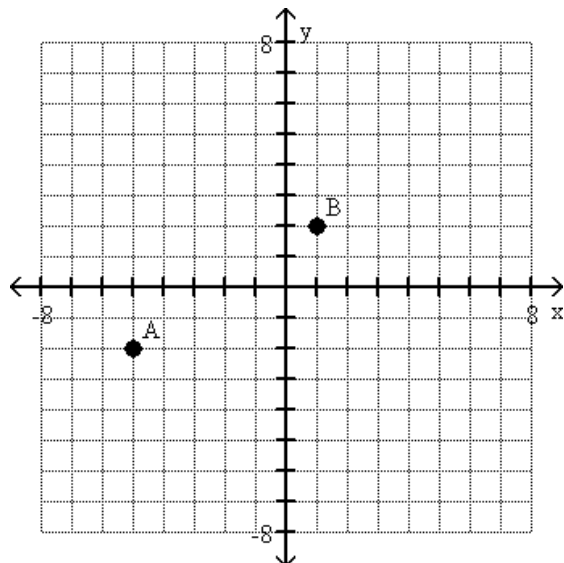
A)



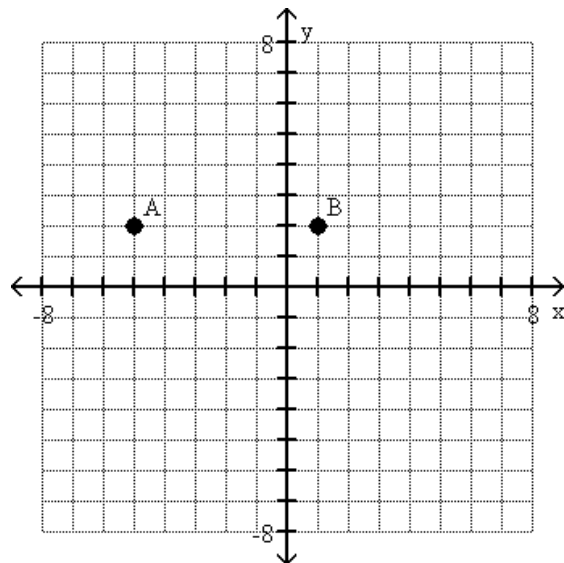
B)



C)

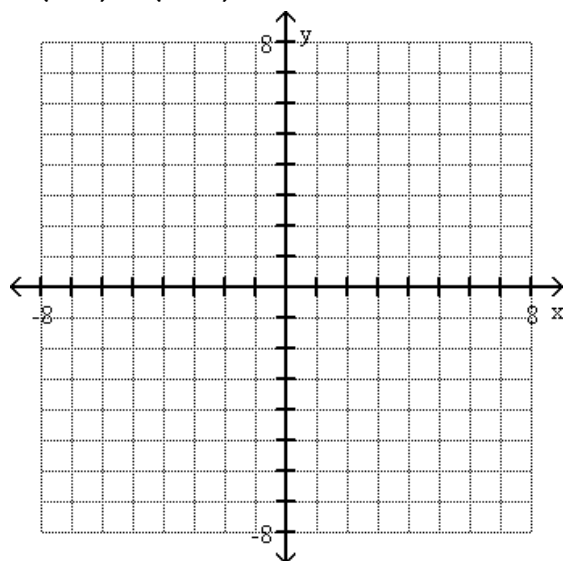


D)

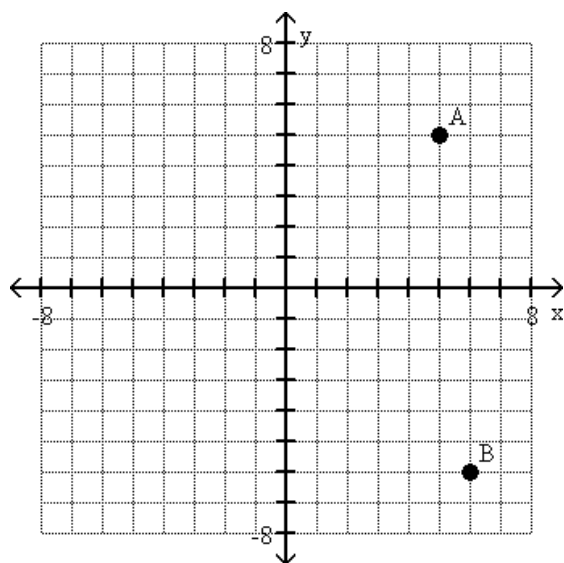


9) A(5, 5), B(6, -6)

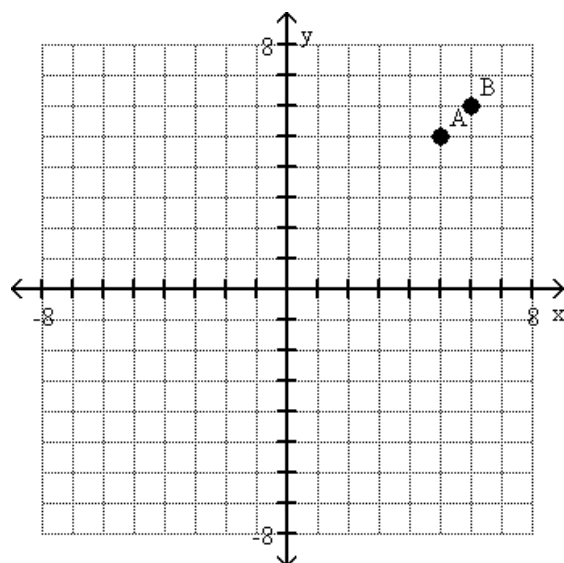
9) _____



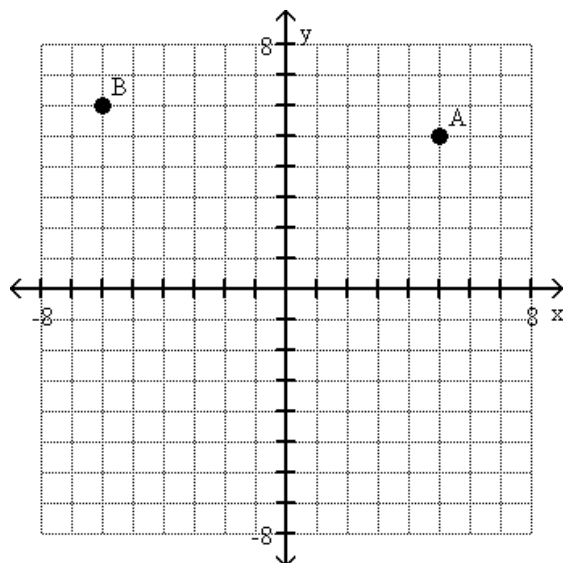
A)



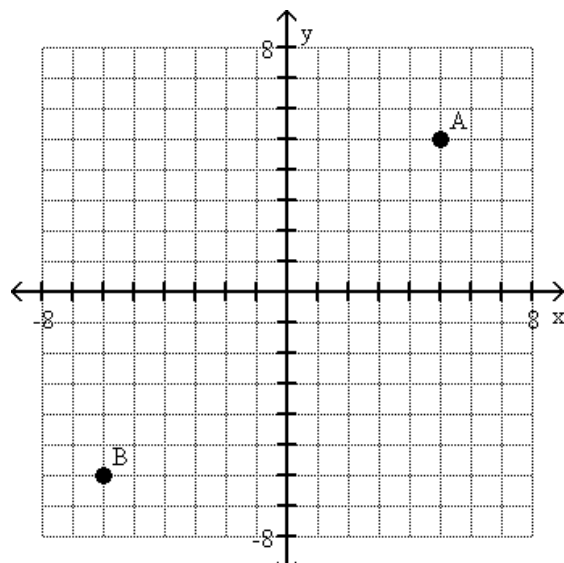
B)



C)

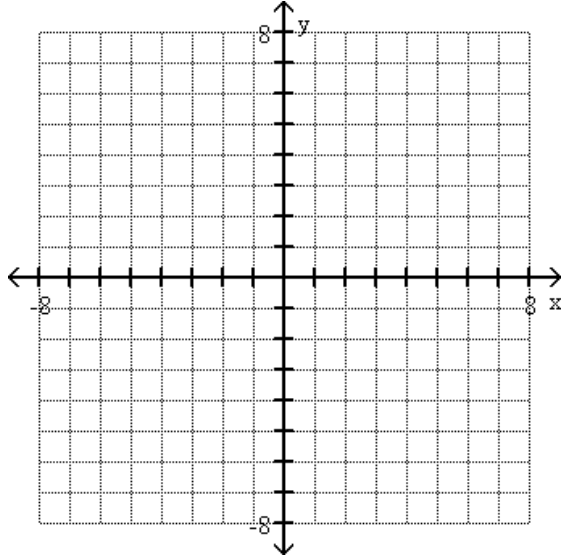


D)

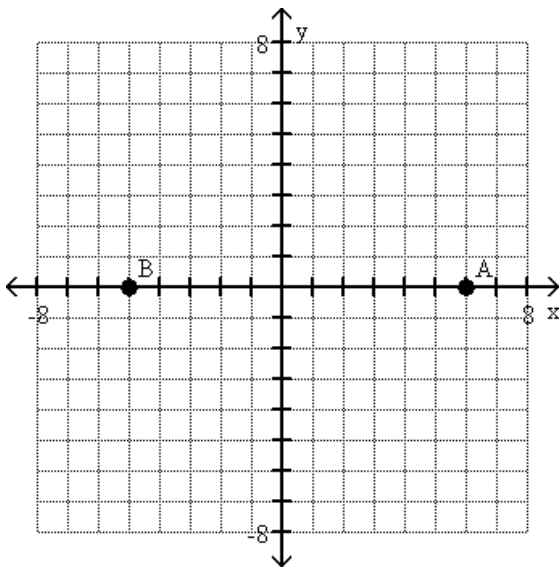


10) $A(6, 0)$, $B(0, -5)$

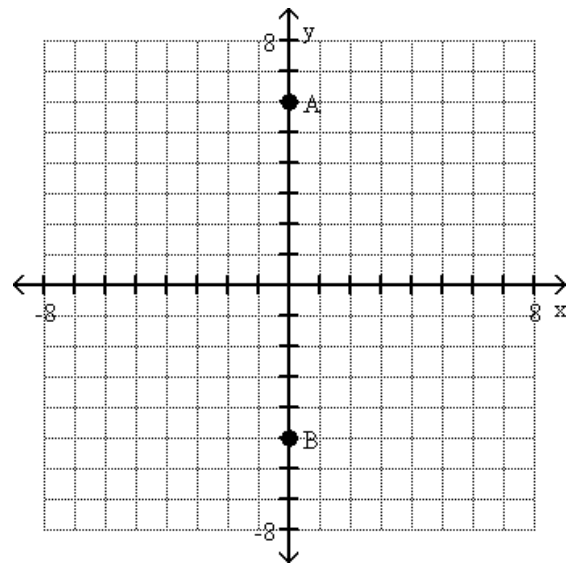
10) _____



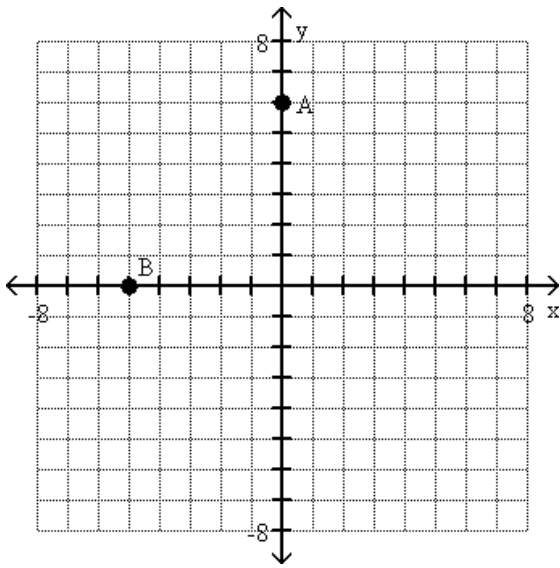
A)



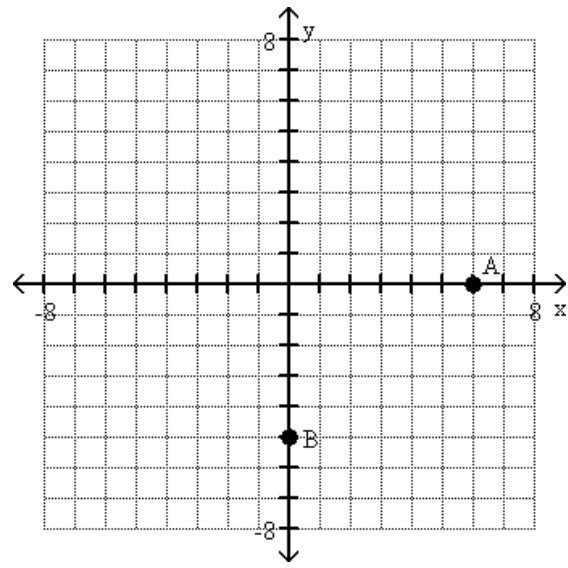
B)



C)

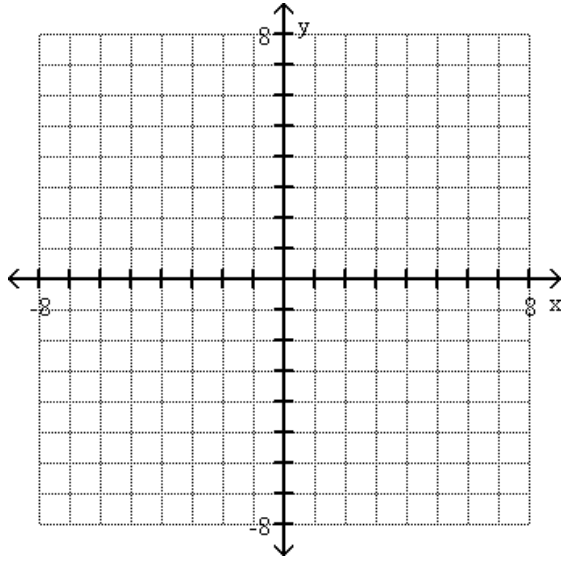


D)

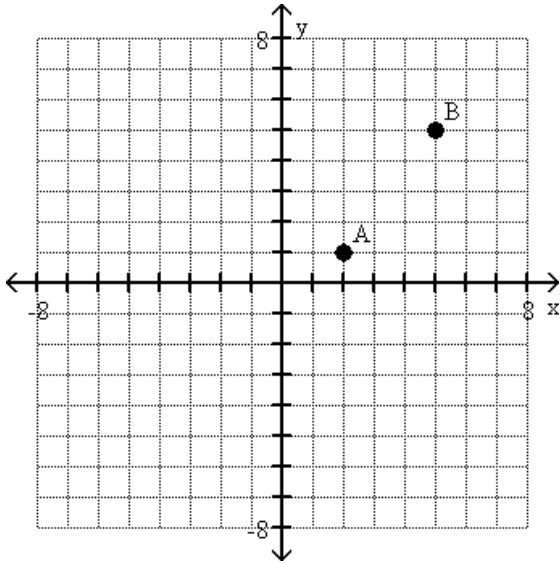


11) $A(2, 1)$, $B(-5, -5)$

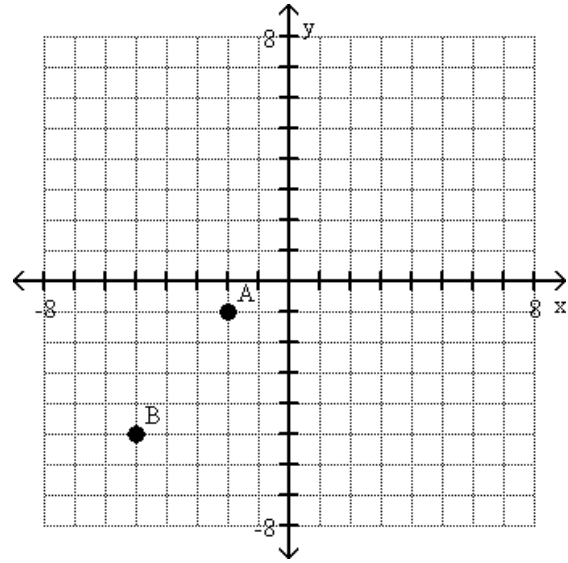
11) _____



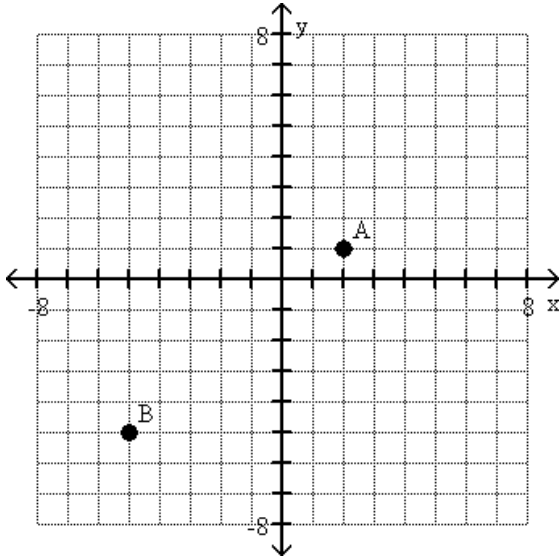
A)



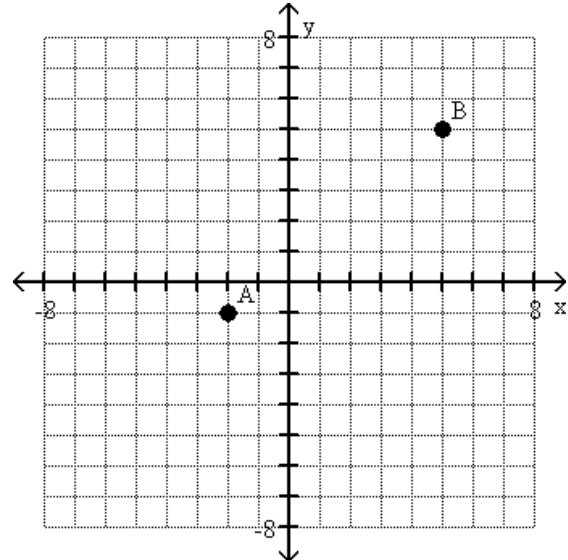
B)



C)

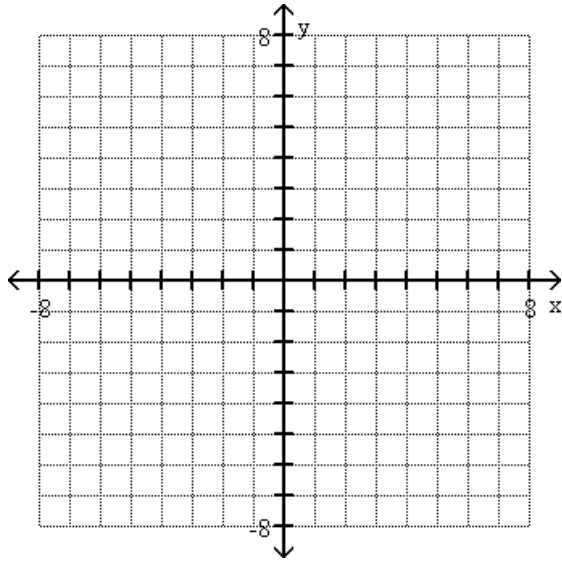


D)

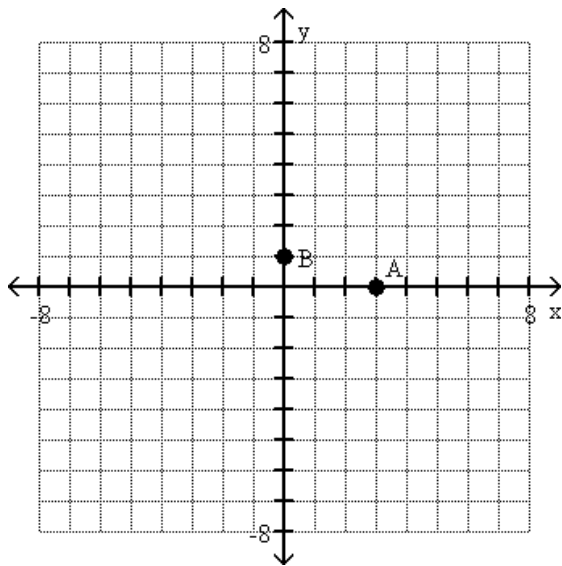


12) $A(0, 3)$, $B(1, 0)$

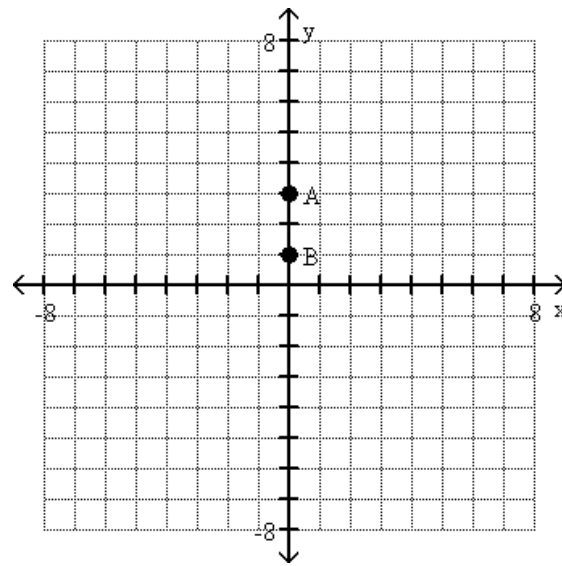
12) _____



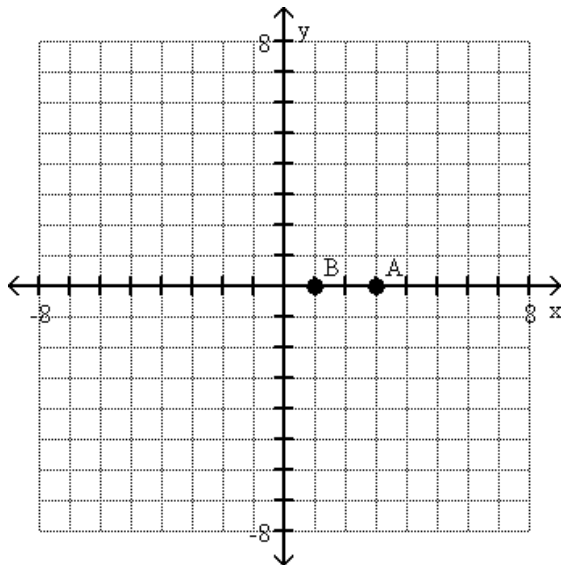
A)



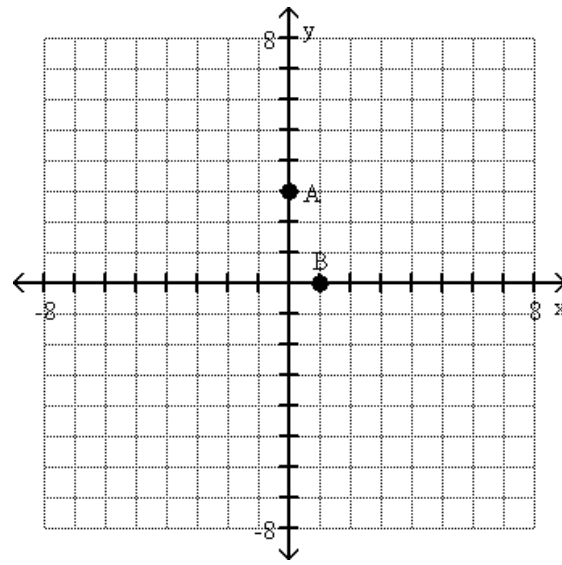
B)



C)

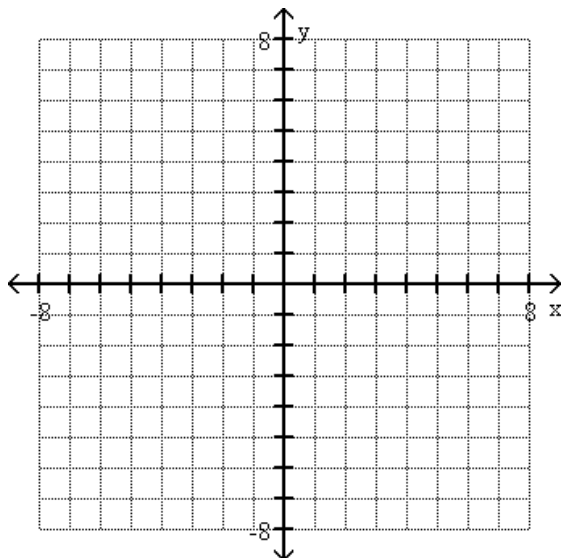


D)

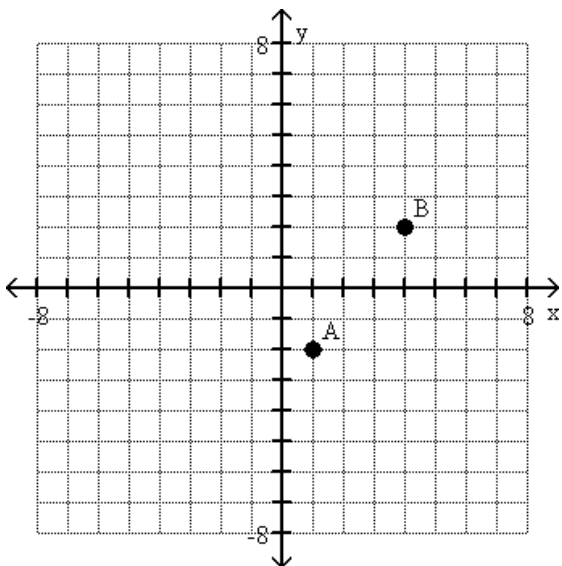


13) A(1, -2), B(-4, 2)

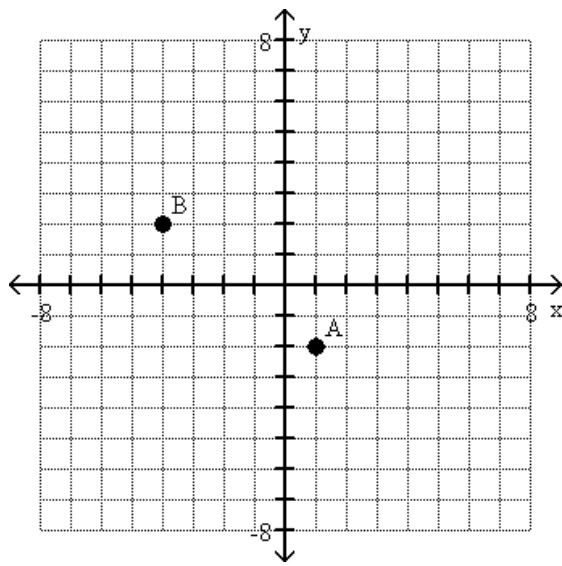
13) _____



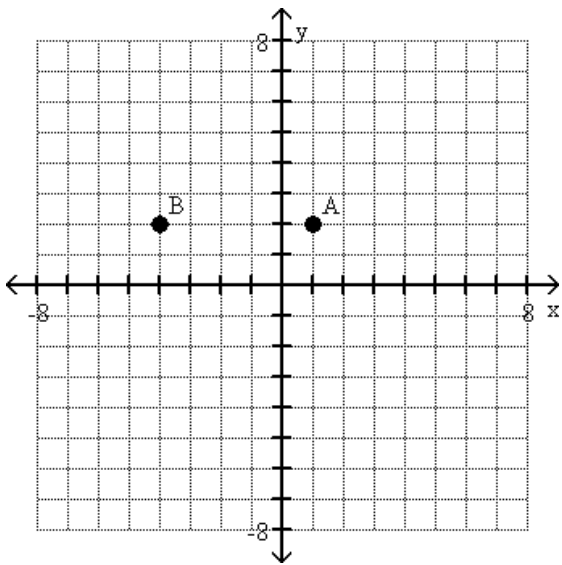
A)



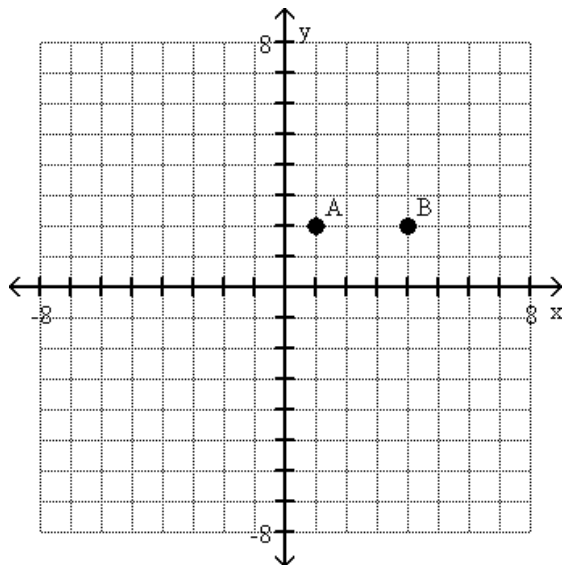
B)



C)



D)



State the quadrant in which or axis on which the point is located.

14) (-2.8, -3.7)

14) _____

A) II

B) IV

C) I

D) III

15) (-18, 0)

15) _____

A) x-axis

B) IV

C) y-axis

D) II

- | | | | | | |
|----------------|-----------|-----------|-----------|--------|-----------|
| 16) (-5.1, 26) | A) y-axis | B) I | C) III | D) II | 16) _____ |
| 17) (-14, -14) | A) I | B) IV | C) III | D) II | 17) _____ |
| 18) (2, -7) | A) II | B) IV | C) x-axis | D) I | 18) _____ |
| 19) (-11, 7) | A) I | B) IV | C) II | D) III | 19) _____ |
| 20) (20, 5) | A) I | B) III | C) IV | D) II | 20) _____ |
| 21) (0, -12) | A) II | B) x-axis | C) y-axis | D) III | 21) _____ |

Determine whether the graph of the set of data points is linear or nonlinear.

- | | | | |
|---|--------------|-----------|-----------|
| 22) (age, weight): (12, 85), (14, 96), (16, 109), (18, 124) | A) Nonlinear | B) Linear | 22) _____ |
| 23) (time, speed): (0, 9), (1, 11), (2, 13), (3, 15) | A) Nonlinear | B) Linear | 23) _____ |

Answer Key

Testname: 4.1.28 RECTANGULAR COORDIATE 2

- 1) B
- 2) A
- 3) D
- 4) A
- 5) A
- 6) D
- 7) A
- 8) A
- 9) A
- 10) D
- 11) C
- 12) D
- 13) B
- 14) D
- 15) A
- 16) D
- 17) C
- 18) B
- 19) C
- 20) A
- 21) C
- 22) A
- 23) B