

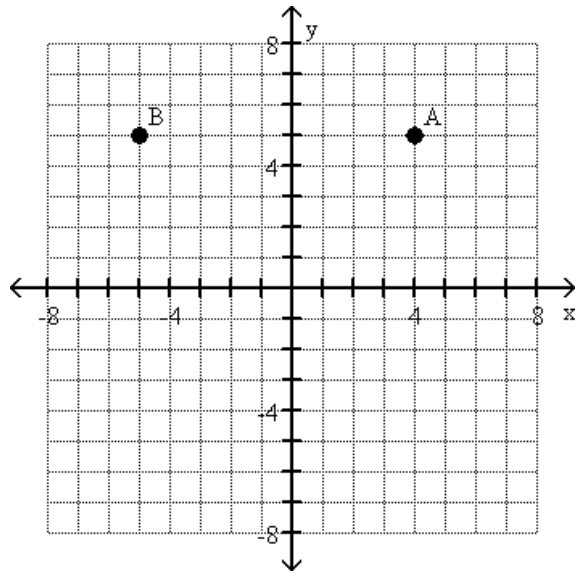
4.1.28 Rectangular Coordinate System 1

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

Write the coordinates for each point.

1)

1) _____

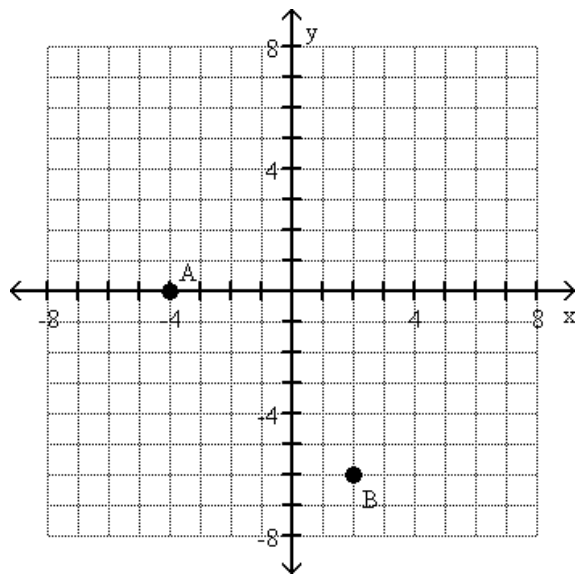


- A) $A(4, 5); B(-5, 5)$
- C) $A(4, 5); B(5, -5)$

- B) $A(4, 5); B(5, 5)$
- D) $A(5, 24); B(5, -5)$

2)

2) _____

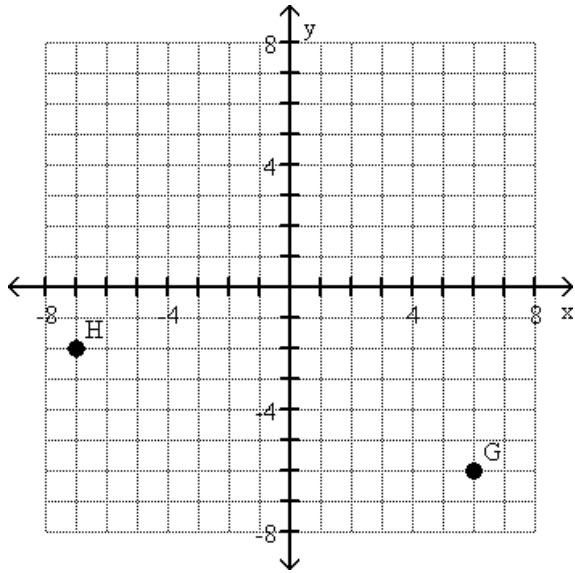


- A) $A(-4, 0); B(-2, -6)$
- C) $A(4, 0); B(2, -6)$

- B) $A(-4, 4); B(2, -6)$
- D) $A(-4, 0); B(2, -6)$

3)

3) _____

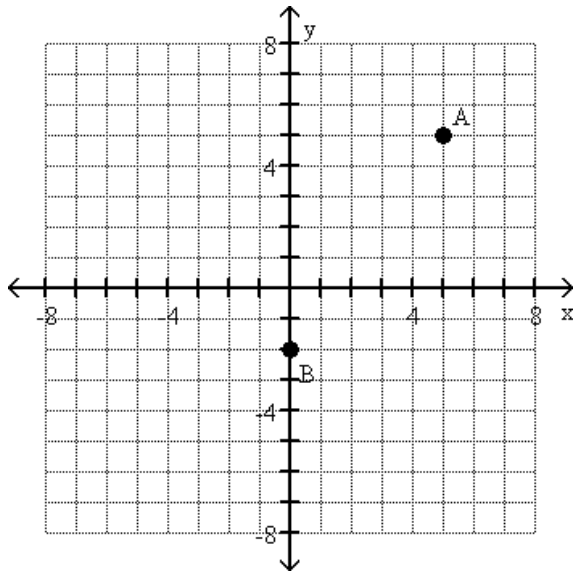


- A) $G(-6, 28); H(-2, -7)$
- C) $G(6, -2); H(-6, -2)$

- B) $G(6, -6); H(-2, -7)$
- D) $G(6, -6); H(-7, -2)$

4)

4) _____

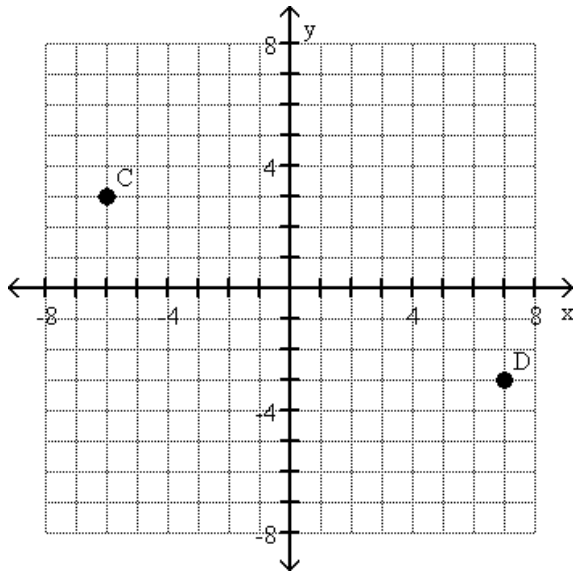


- A) $A(5, -5); B(1, -2)$
- C) $A(5, 5); B(0, 2)$

- B) $A(-5, 5); B(0, 2)$
- D) $A(5, 5); B(0, -2)$

5)

5) _____



- A) $C(3, 4); D(-3, 7)$
- C) $C(-6, -3); D(3, -3)$

- B) $C(-6, 3); D(7, -3)$
- D) $C(-6, 3); D(-3, 7)$

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

6) $(-10, -16)$

A) II

B) IV

C) III

D) I

6) _____

7) $(-15, 0)$

A) y-axis

B) II

C) x-axis

D) IV

7) _____

8) $(7, 7)$

A) II

B) I

C) III

D) IV

8) _____

9) $(-4.9, -3.1)$

A) II

B) III

C) I

D) IV

9) _____

10) $(0, -11)$

A) x-axis

B) y-axis

C) II

D) III

10) _____

11) $(13, -14)$

A) x-axis

B) IV

C) I

D) II

11) _____

12) $(-5.1, 23)$

A) III

B) I

C) y-axis

D) II

12) _____

13) $(-5, 2)$

A) IV

B) II

C) III

D) I

13) _____

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

14) (time, speed): $(0, 5), (1, 7), (2, 9), (3, 11)$

A) Linear

B) Nonlinear

14) _____

15) (age, weight): $(10, 89), (12, 100), (14, 113), (16, 128)$

A) Nonlinear

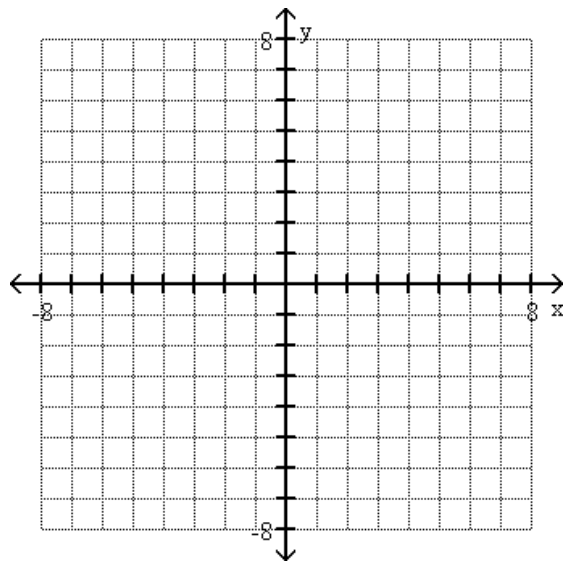
B) Linear

15) _____

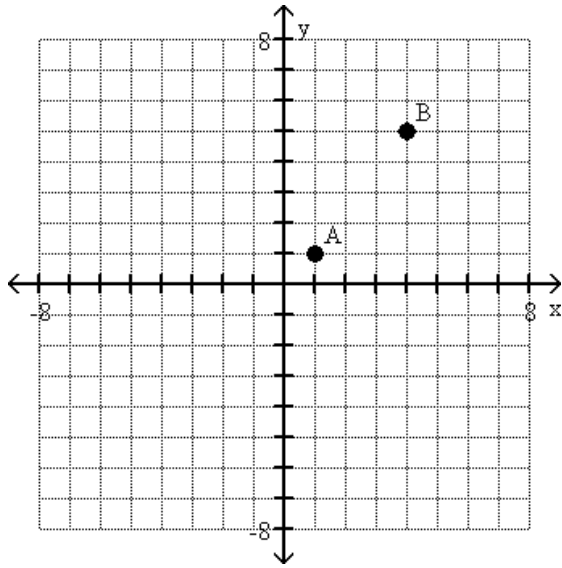
Plot and label the points indicated by the coordinate pairs.

16) $A(1, -1), B(-4, 5)$

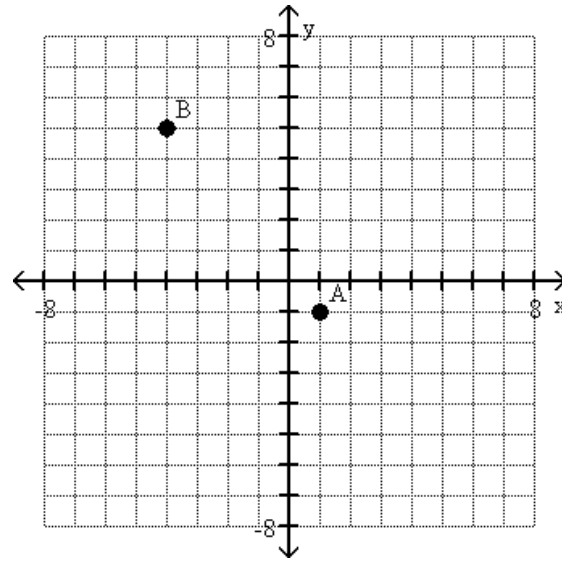
16) _____



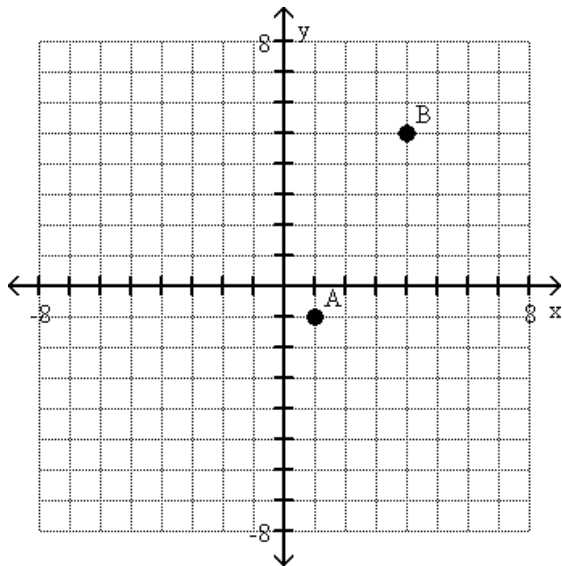
A)



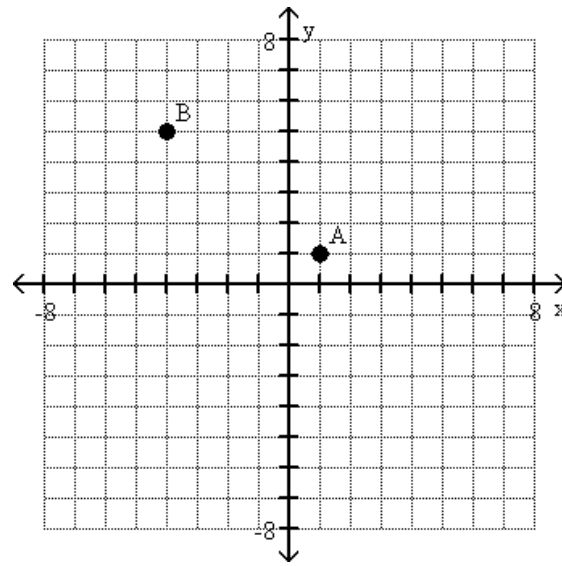
B)



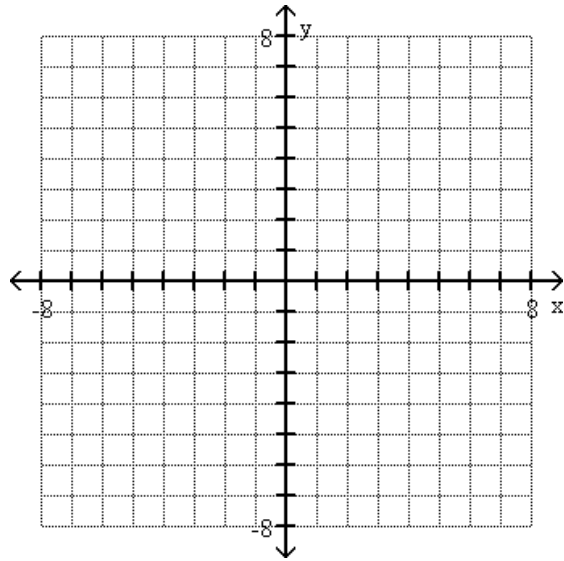
C)



D)

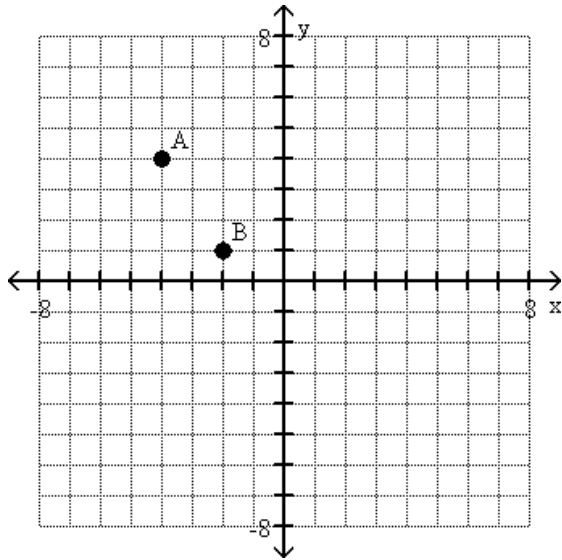


17) A(4, 4), B(-2, 1)

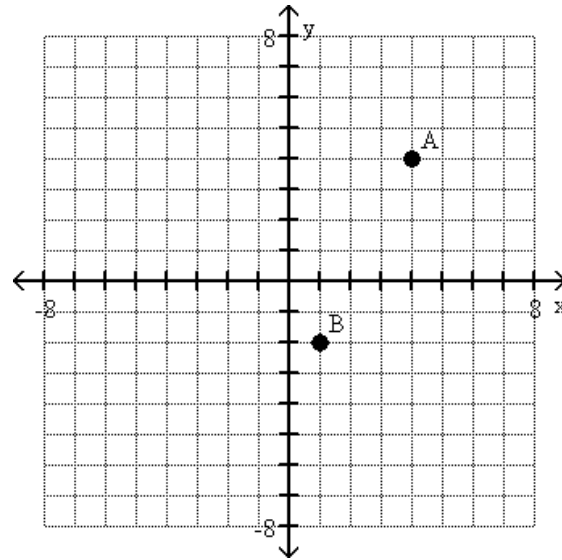


17) _____

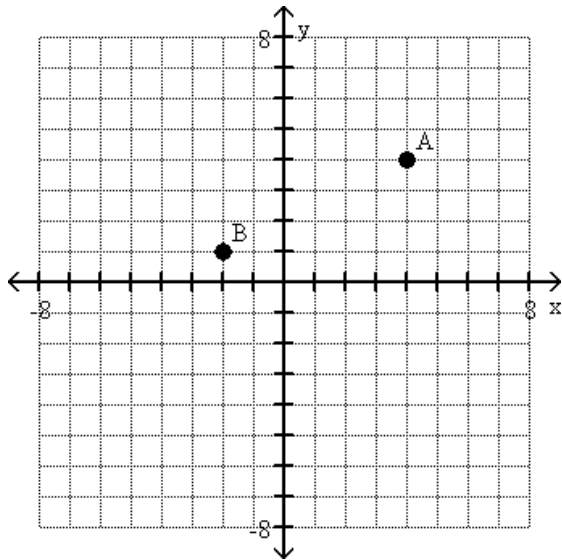
A)



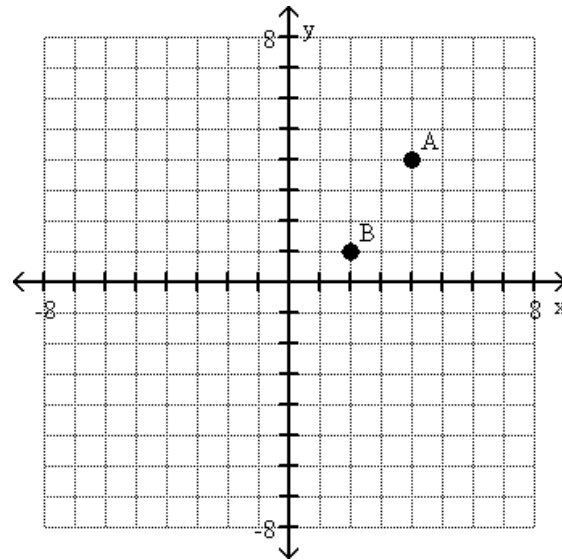
B)



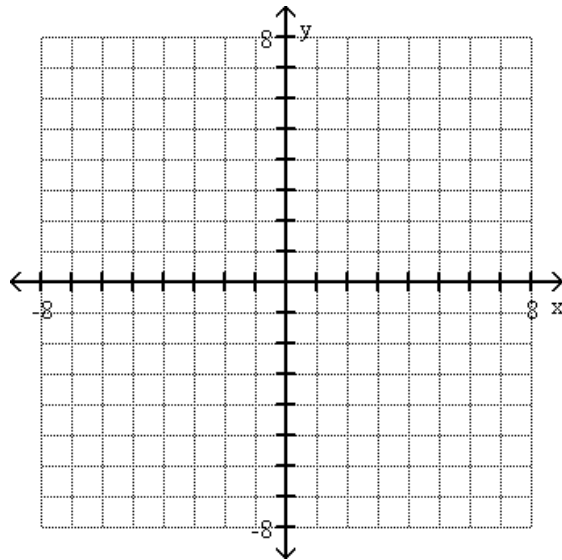
C)



D)

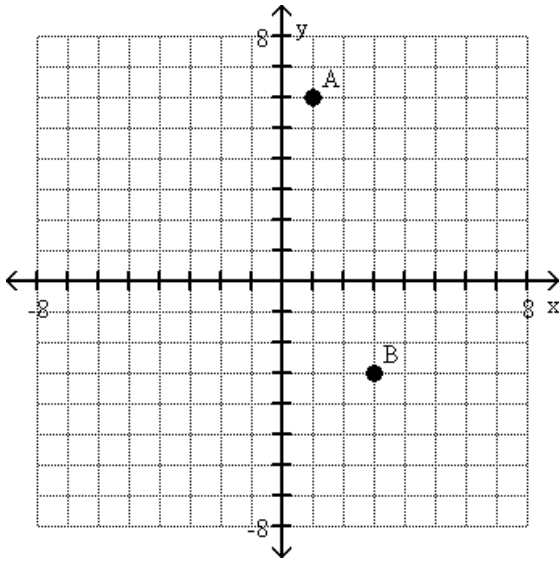


18) A(1, 6), B(3, -3)

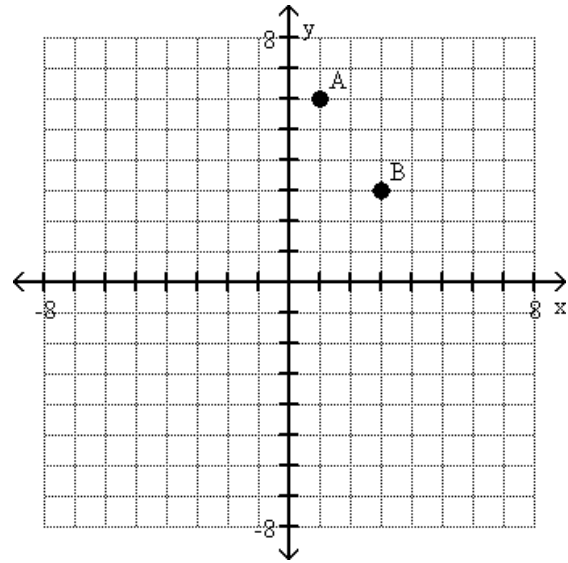


18) _____

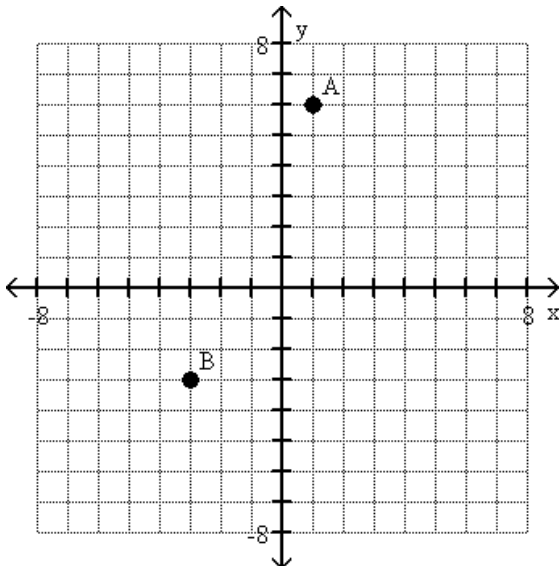
A)



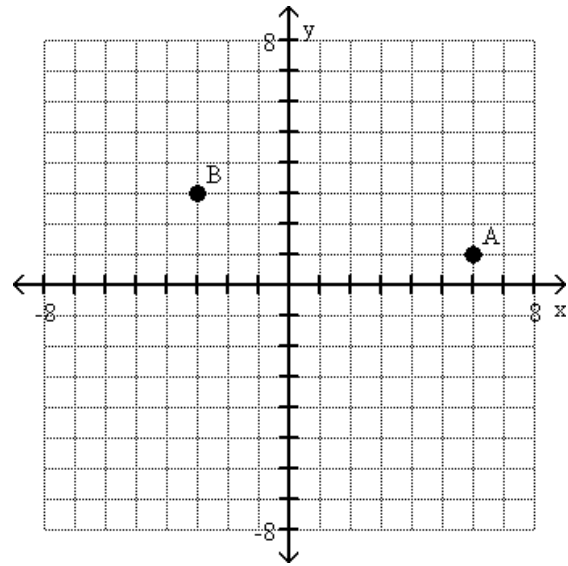
B)



C)

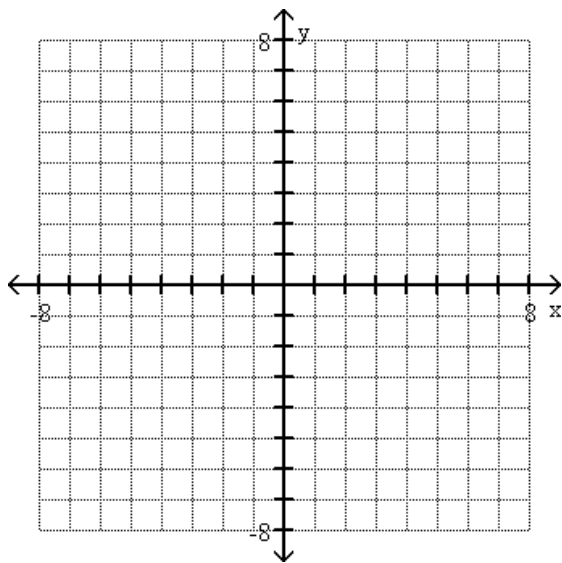


D)

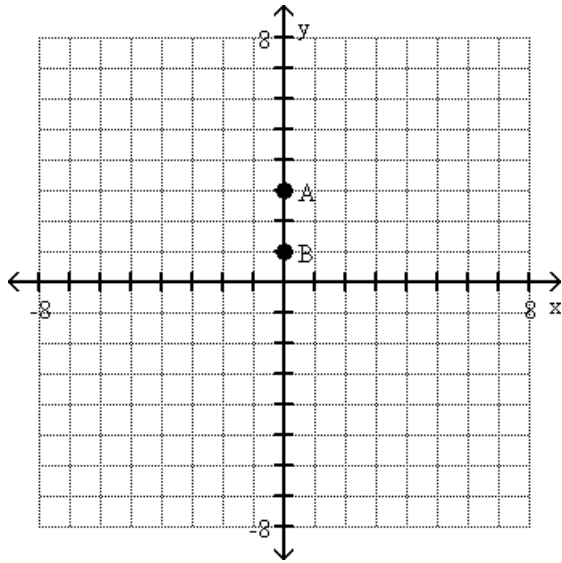


19) $A(3, 0)$, $B(0, 1)$

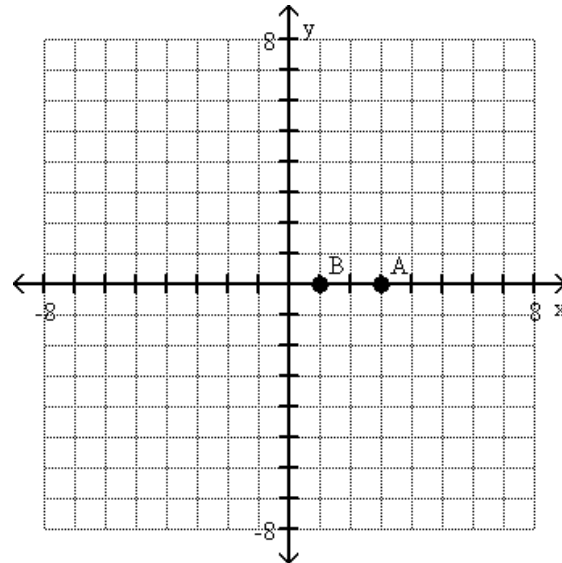
19) _____



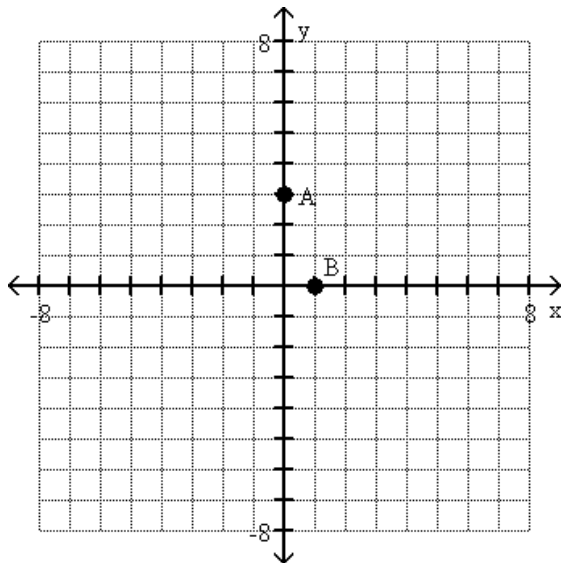
A)



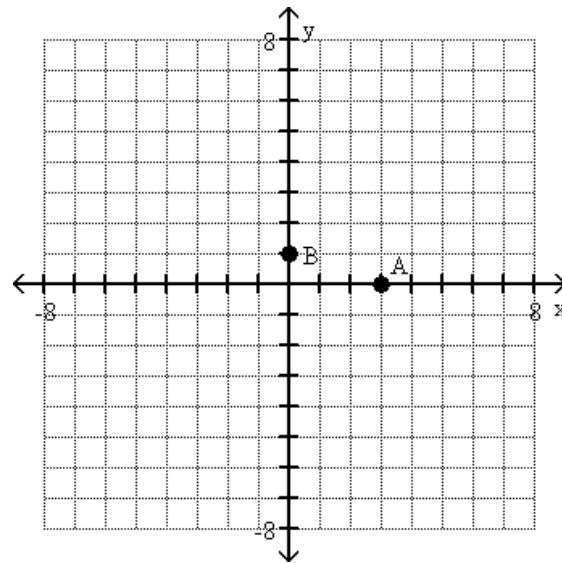
B)



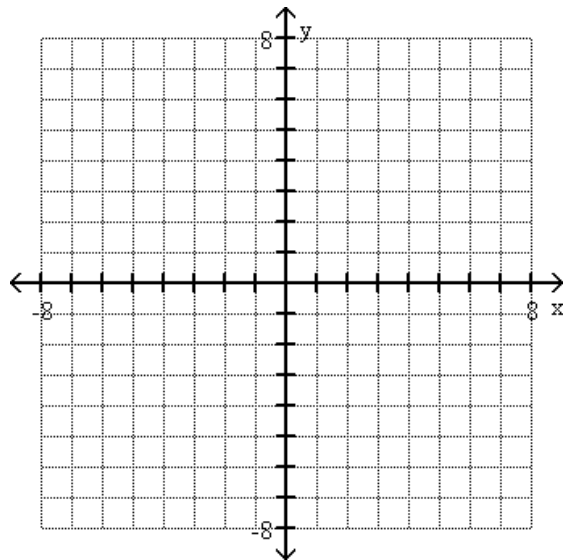
C)



D)

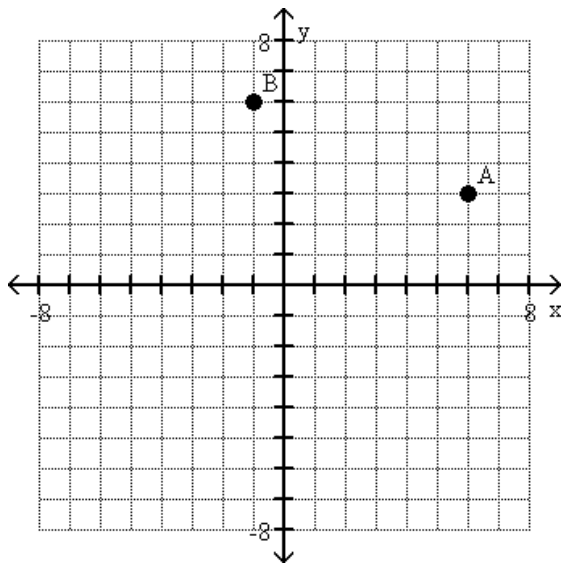


20) A(-6, -3), B(-1, 6)

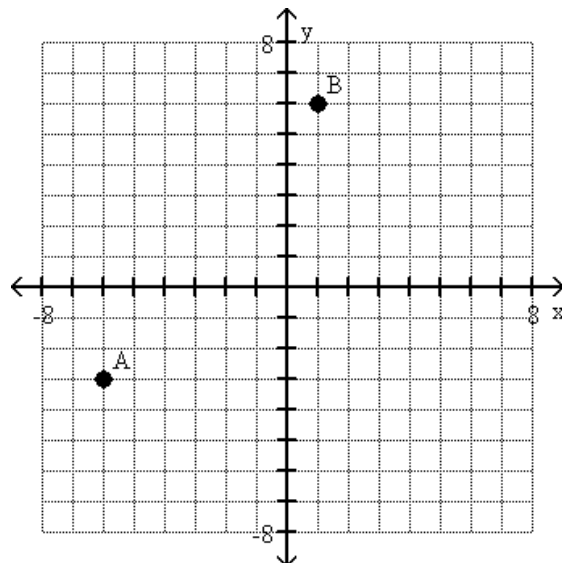


20) _____

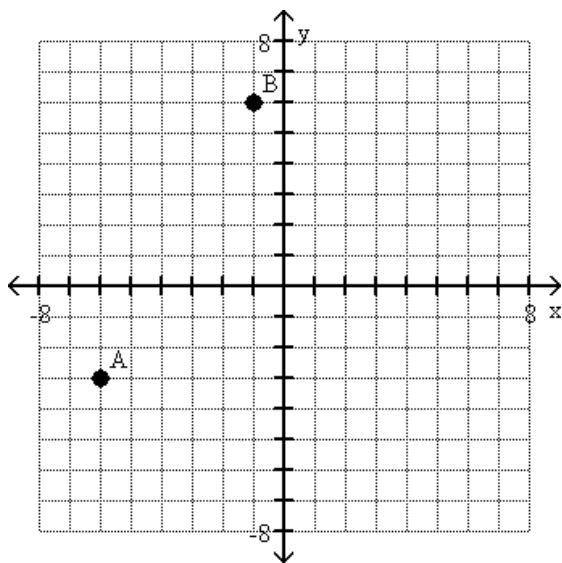
A)



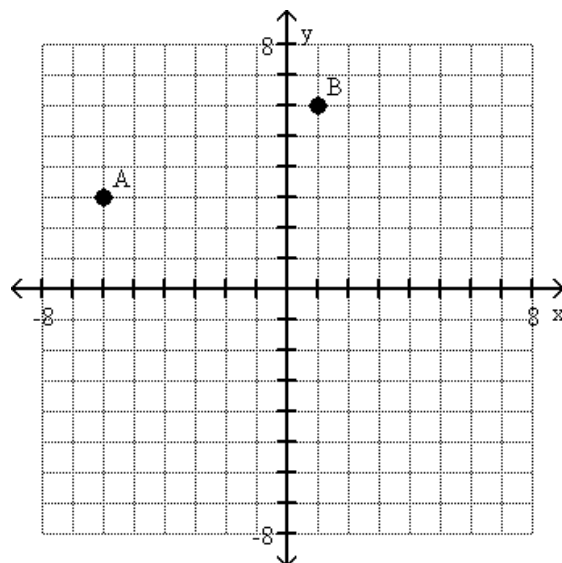
B)



C)

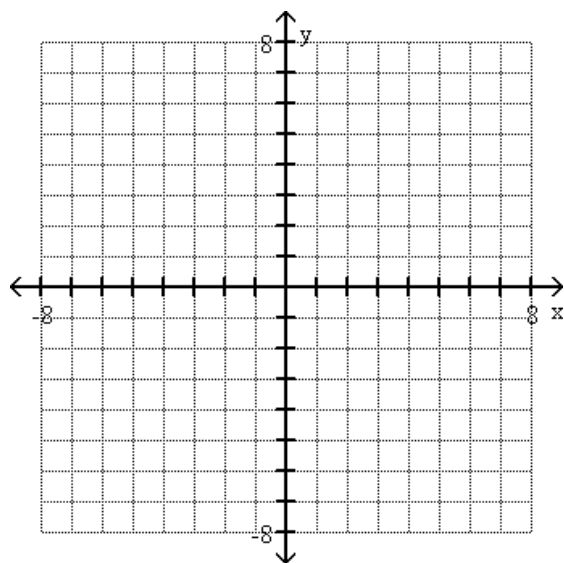


D)

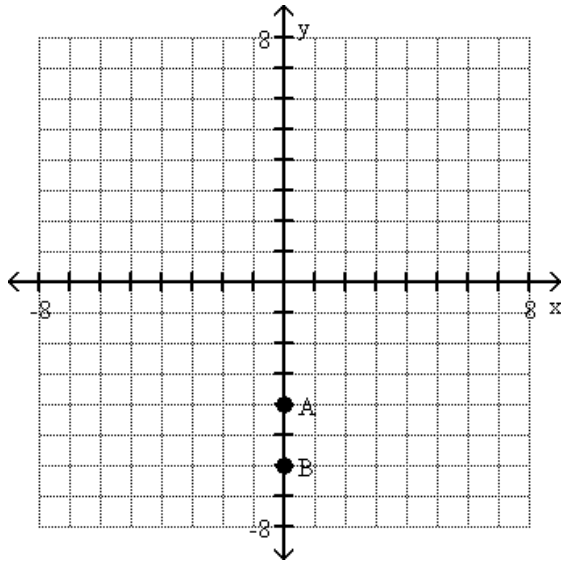


21) $A(0, -4), B(-6, 0)$

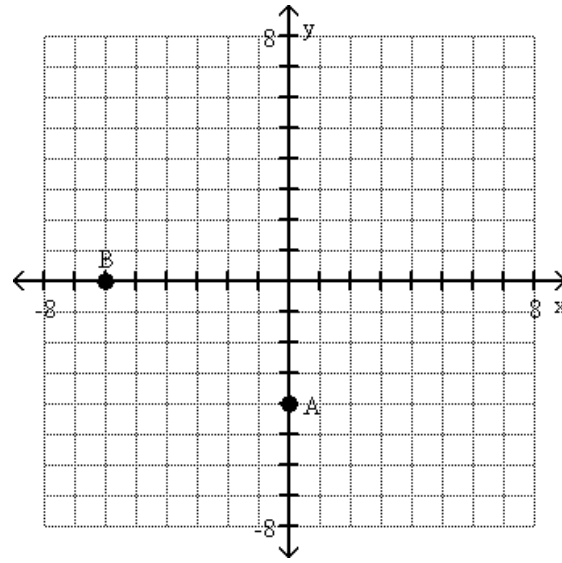
21) _____



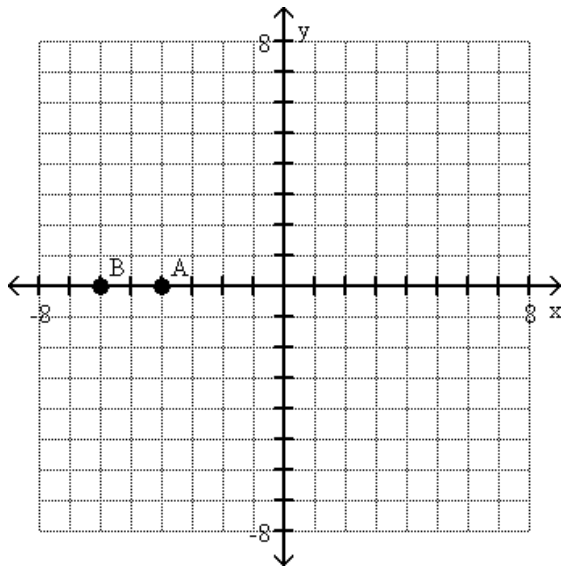
A)



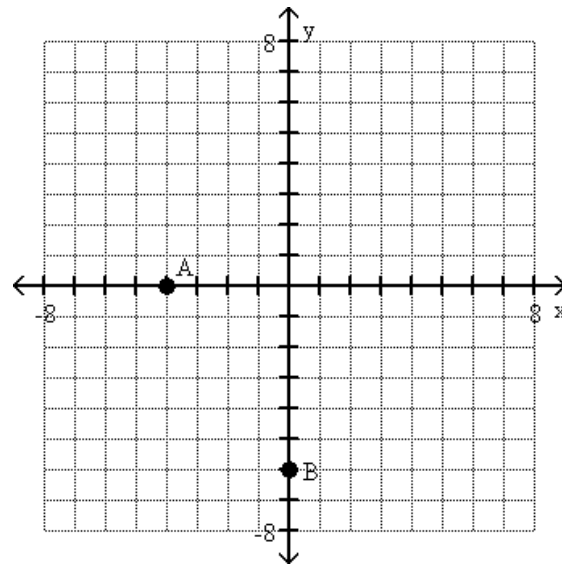
B)



C)

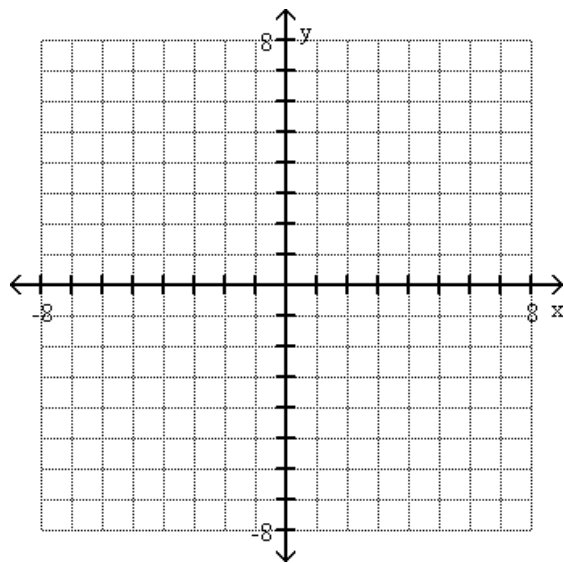


D)

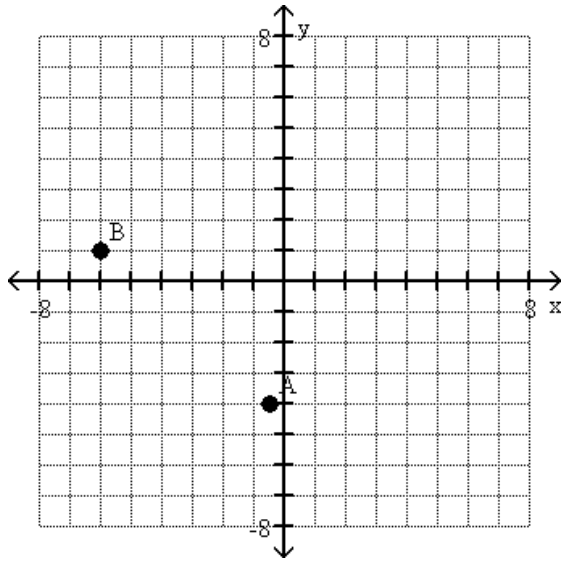


22) $A(-\frac{1}{2}, -4)$, $B(-6, 1)$

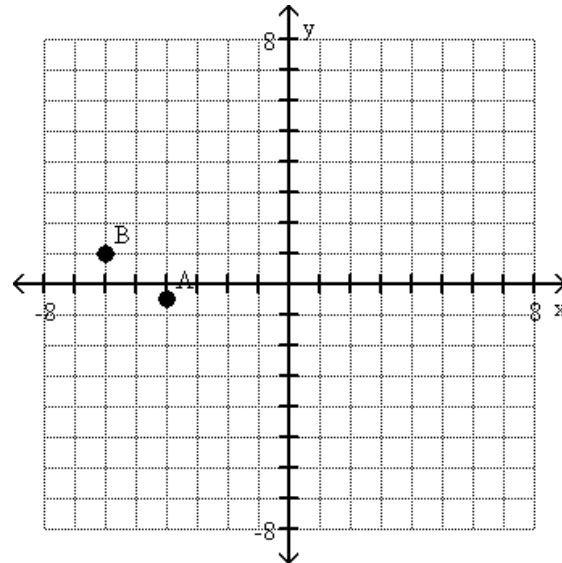
22) _____



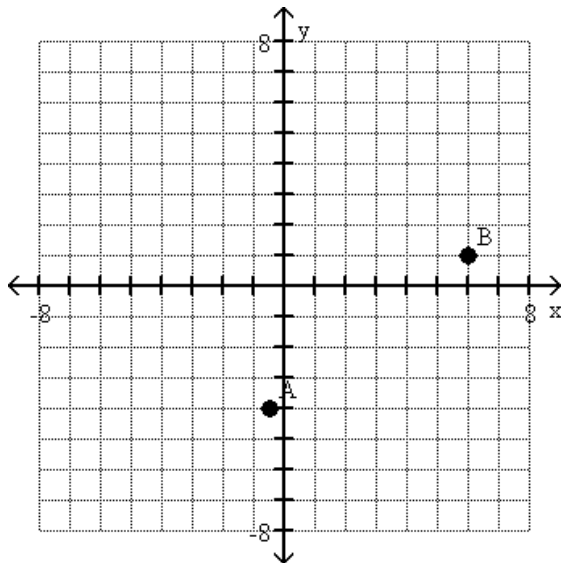
A)



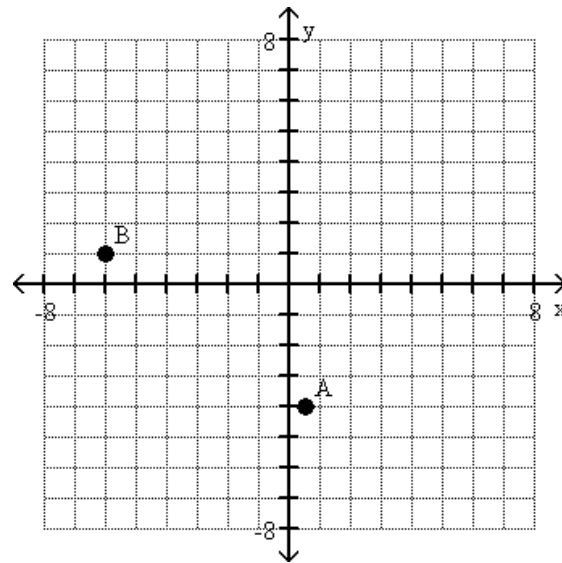
B)



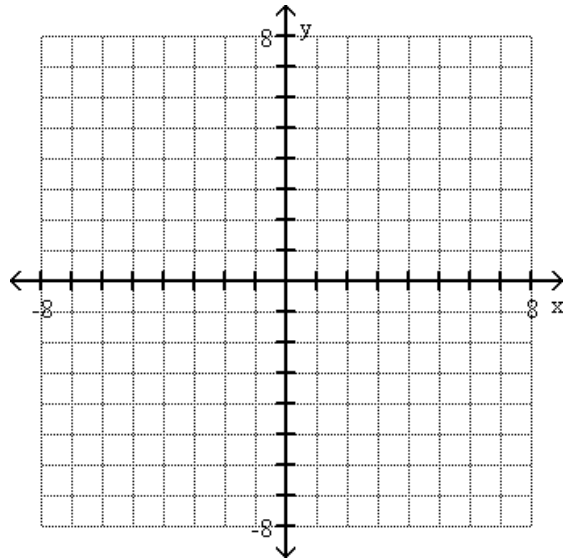
C)



D)

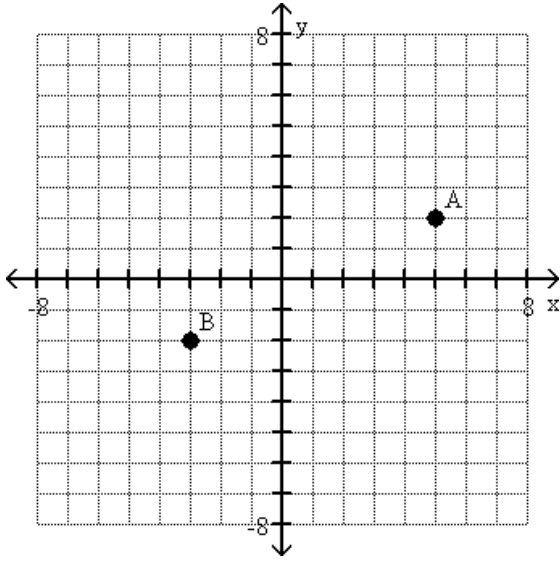


23) $A(5, 2)$, $B(-3, -2)$

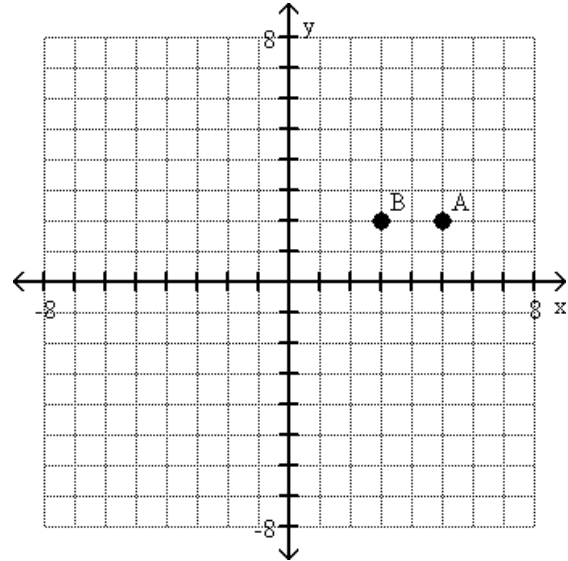


23) _____

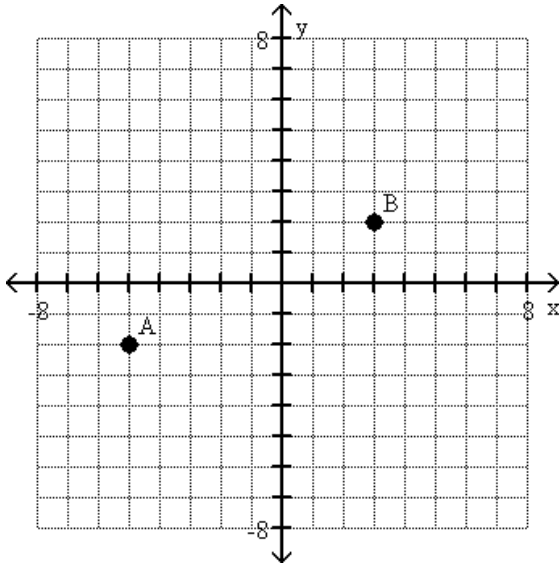
A)



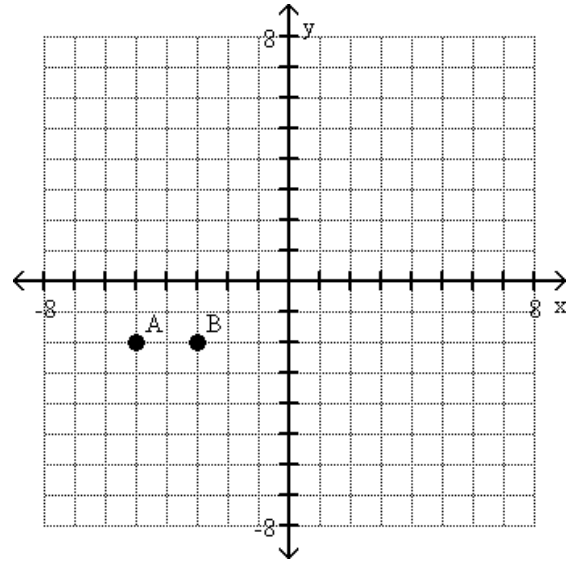
B)



C)



D)



Answer Key

Testname: 4.1.28 1 RECTANGULAR COORDIATE

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