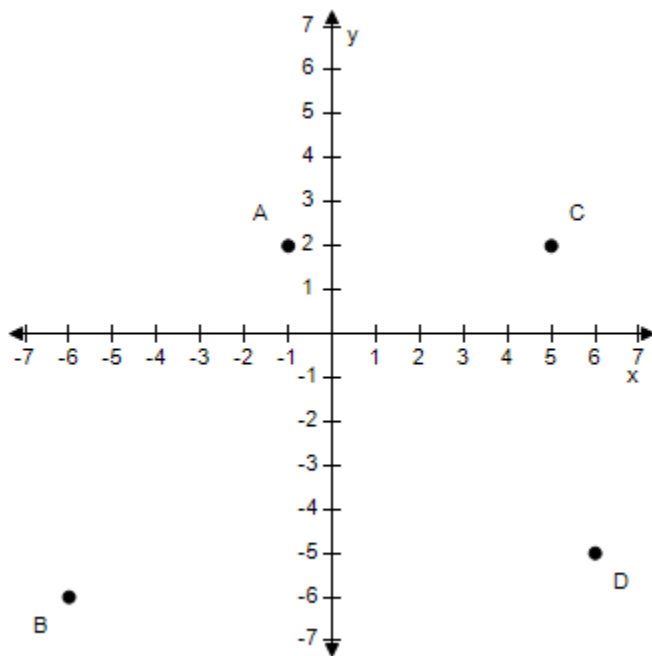


Test Bank for Precalculus 12th Larson

Section 1.01 - Rectangular Coordinates

1. Approximate the coordinates of the points.



- a. $A: (4, 2)$, $B: (-6, -6)$, $C: (5, 2)$, $D: (6, -5)$
- b. $A: (1, 2)$, $B: (-6, -6)$, $C: (5, 2)$, $D: (6, -5)$
- c. $A: (2, 2)$, $B: (-6, -6)$, $C: (5, 2)$, $D: (6, -5)$
- d. $A: (3, 2)$, $B: (-6, -6)$, $C: (5, 2)$, $D: (6, -5)$
- e. $A: (-1, 2)$, $B: (-6, -6)$, $C: (5, 2)$, $D: (6, -5)$

ANSWER: e

POINTS: 1

REFERENCES: P.6.5

QUESTION TYPE: Multiple Choice

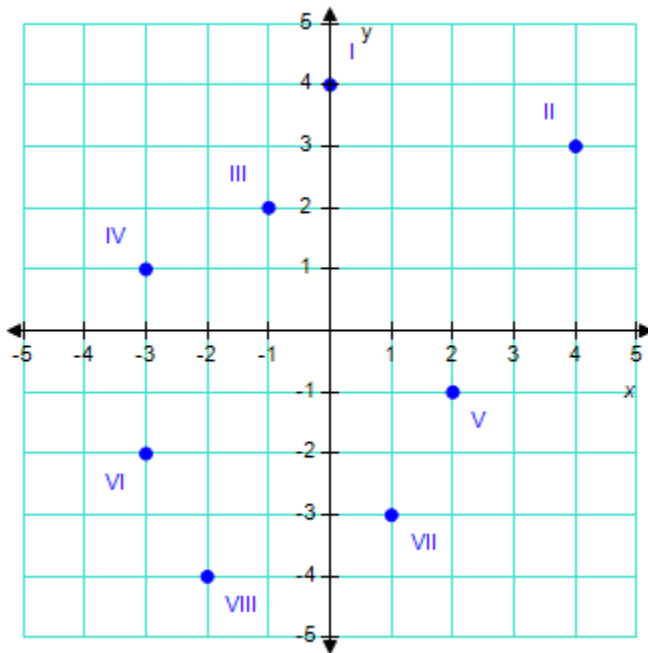
HAS VARIABLES: False

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2. Find the coordinates of the point labeled **II**.

Section 1.01 - Rectangular Coordinates

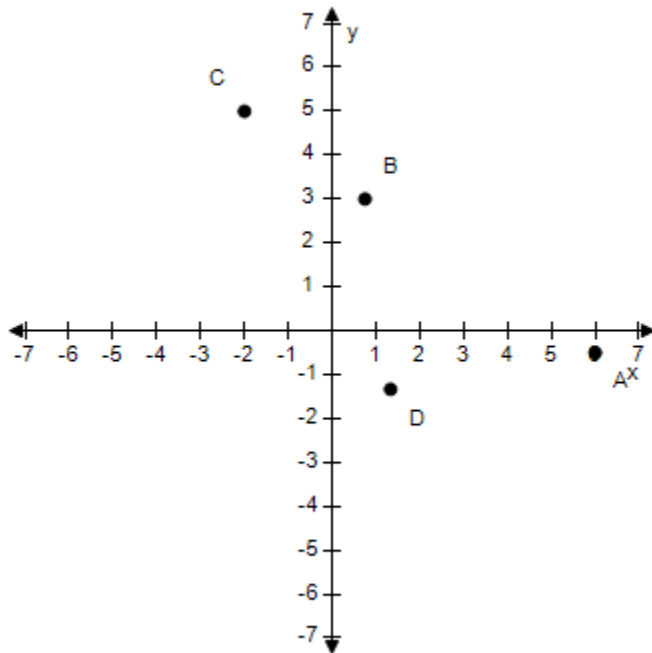


- a. $(-4, -3)$
- b. $(-4, 3)$
- c. $(3, 4)$
- d. $(4, 3)$
- e. $(-3, -4)$

ANSWER: d
POINTS: 1
REFERENCES: P.6.6
QUESTION TYPE: Multi-Mode (Multiple choice)
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
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3. Approximate the coordinates of the points.

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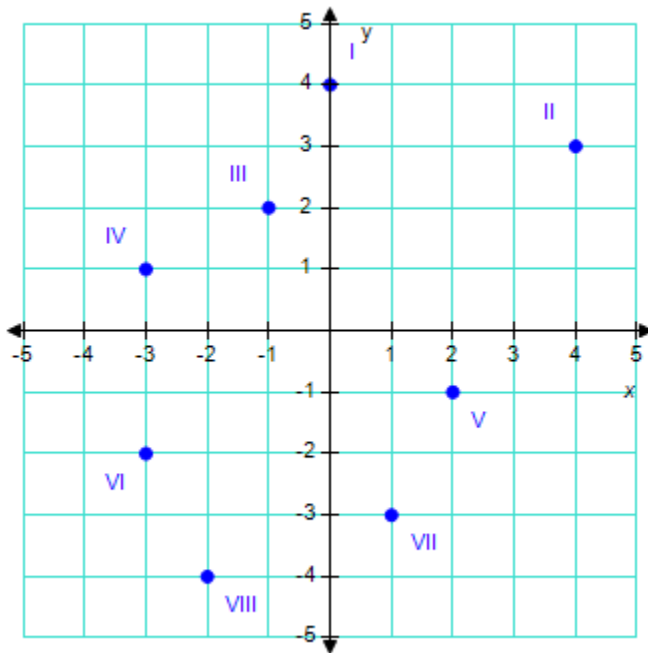


- $A: (6, -\frac{1}{2}), B: (\frac{3}{4}, 3), C: (-2, 5), D: (\frac{4}{3}, -\frac{4}{3})$
- $A: (6, -\frac{1}{2}), B: (\frac{3}{4}, -1), C: (-2, 5), D: (\frac{4}{3}, -\frac{4}{3})$
- $A: (6, -\frac{1}{2}), B: (\frac{3}{4}, 0), C: (-2, 5), D: (\frac{4}{3}, -\frac{4}{3})$
- $A: (6, -\frac{1}{2}), B: (\frac{3}{4}, 1), C: (-2, 5), D: (\frac{4}{3}, -\frac{4}{3})$
- $A: (6, -\frac{1}{2}), B: (\frac{3}{4}, 2), C: (-2, 5), D: (\frac{4}{3}, -\frac{4}{3})$

ANSWER: a
 POINTS: 1
 REFERENCES: P.6.6
 QUESTION TYPE: Multi-Mode (Multiple choice)
 HAS VARIABLES: False
 STUDENT ENTRY MODE: Basic
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4. Which label corresponds to the coordinates $(-3, -5)$?

Section 1.01 - Rectangular Coordinates



- a. VI
- b. VIII
- c. V
- d. VII
- e. none

ANSWER: e

POINTS: 1

REFERENCES: P.6.7

QUESTION TYPE: Multi-Mode (Multiple choice)

HAS VARIABLES: False

STUDENT ENTRY MODE: Basic

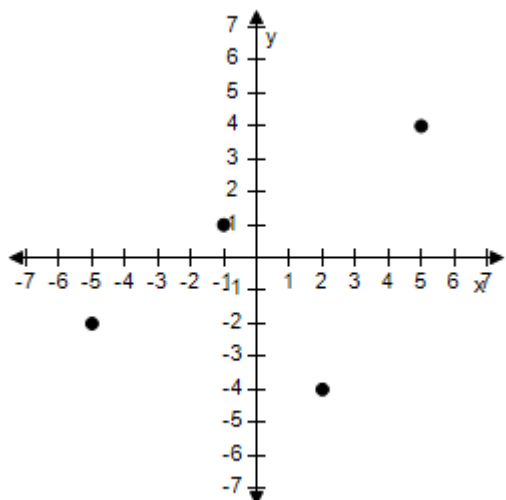
DATE CREATED: 4/9/2026 5:19 AM

DATE MODIFIED: 4/9/2026 5:19 AM

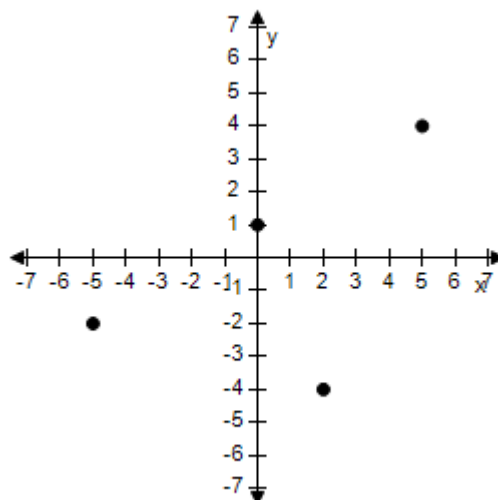
5. Plot the points in the Cartesian plane.
 $(-4, 1)$, $(-5, -2)$, $(5, 4)$, $(2, -4)$

Section 1.01 - Rectangular Coordinates

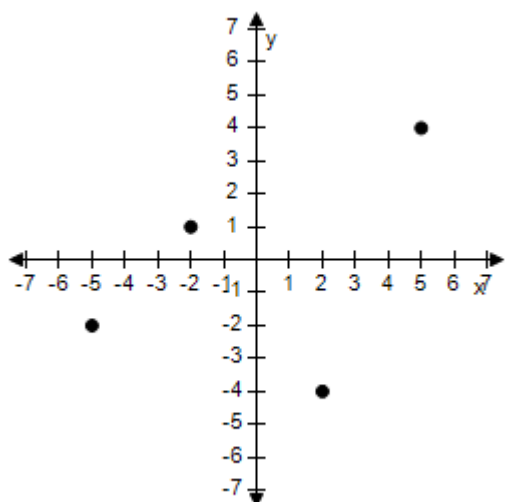
a.



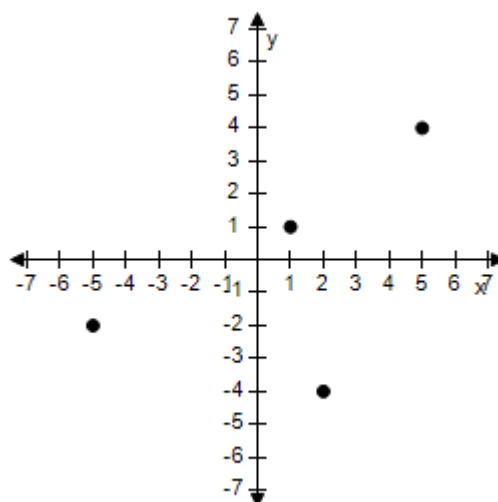
b.



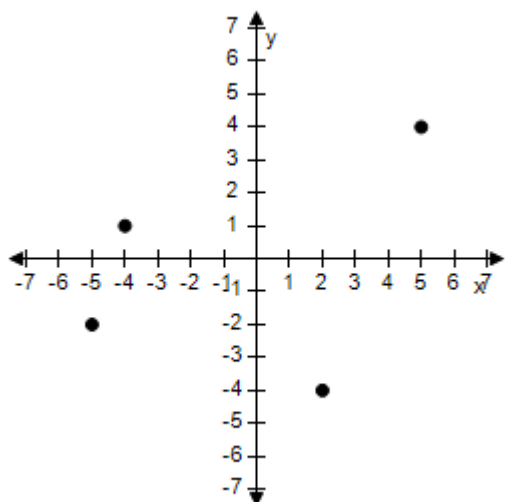
c.



d.



e.



ANSWER:

e

Section 1.01 - Rectangular Coordinates

POINTS: 1

REFERENCES: P.6.7

QUESTION TYPE: Multiple Choice

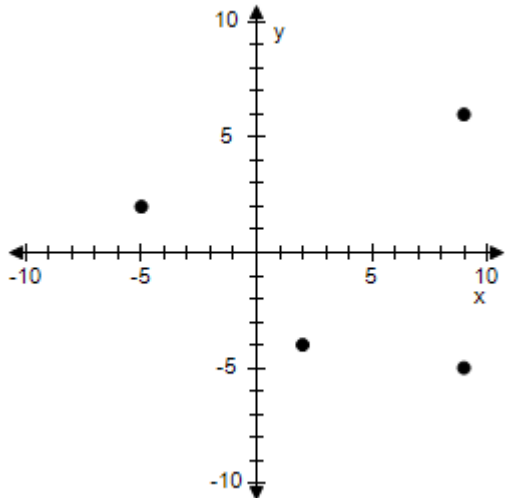
HAS VARIABLES: False

DATE CREATED: 4/9/2026 5:19 AM

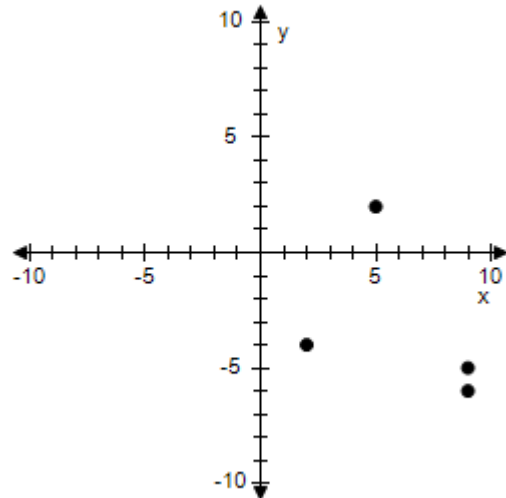
DATE MODIFIED: 4/9/2026 5:19 AM

6. Plot the points below whose coordinates are given on a Cartesian coordinate system.
 $(5, 2)$, $(9, -6)$, $(2, -4)$, $(9, -5)$

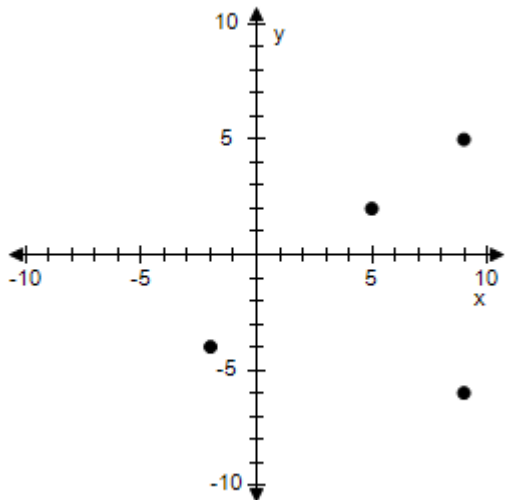
a.



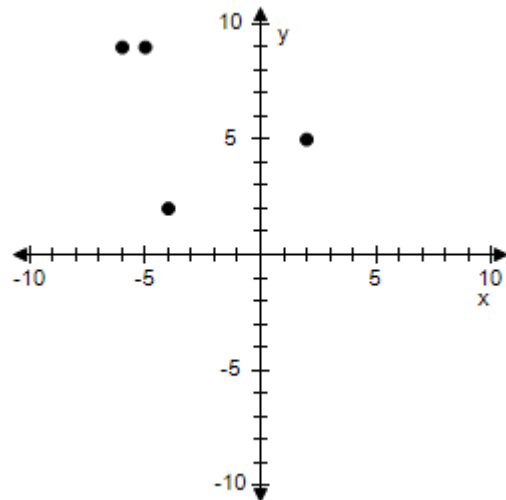
b.



c.

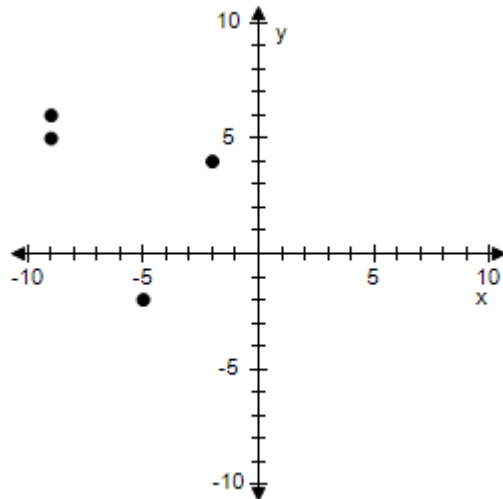


d.



Section 1.01 - Rectangular Coordinates

e.

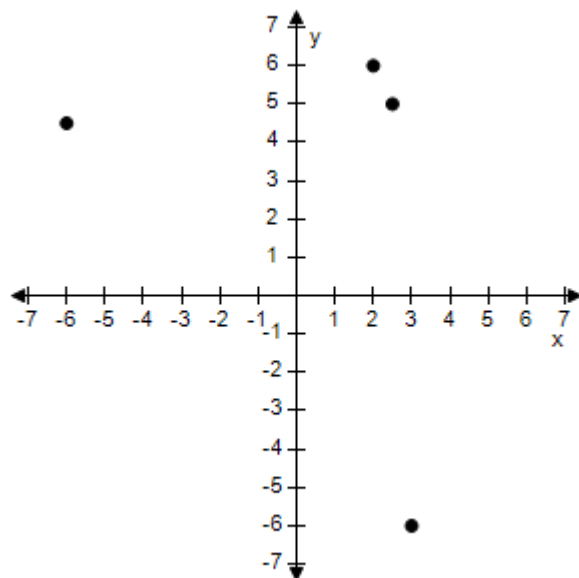


ANSWER: b
 POINTS: 1
 REFERENCES: P.6.8
 QUESTION TYPE: Multi-Mode (Multiple choice)
 HAS VARIABLES: False
 STUDENT ENTRY MODE: Basic
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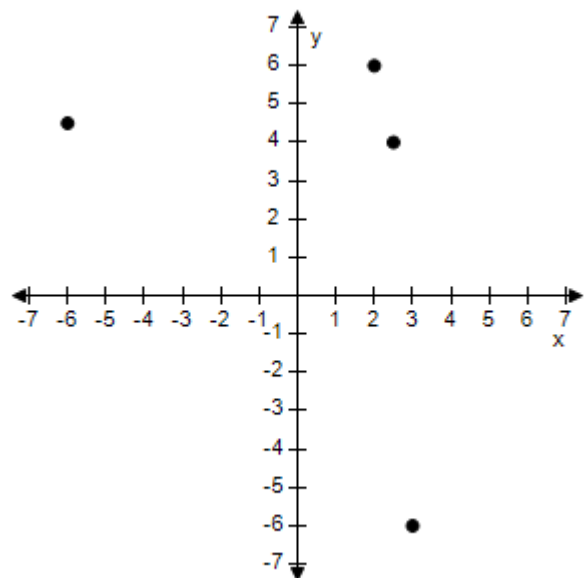
7. Plot the points in the Cartesian plane.

$(2, 6)$, $(2.5, 6)$, $(3, -6)$, $(-6, 4.5)$

a.

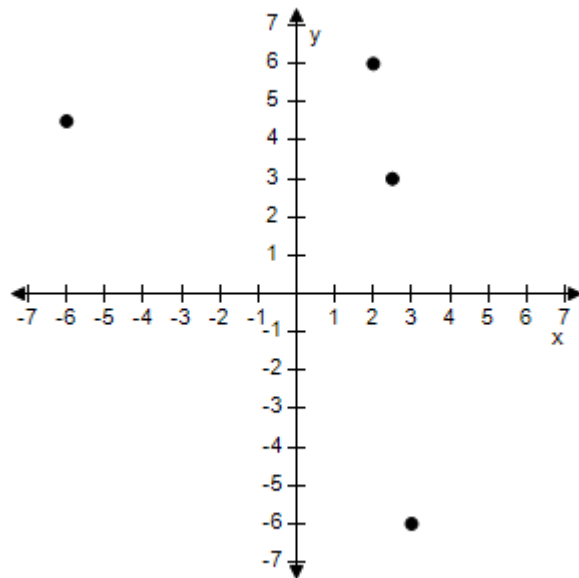


b.

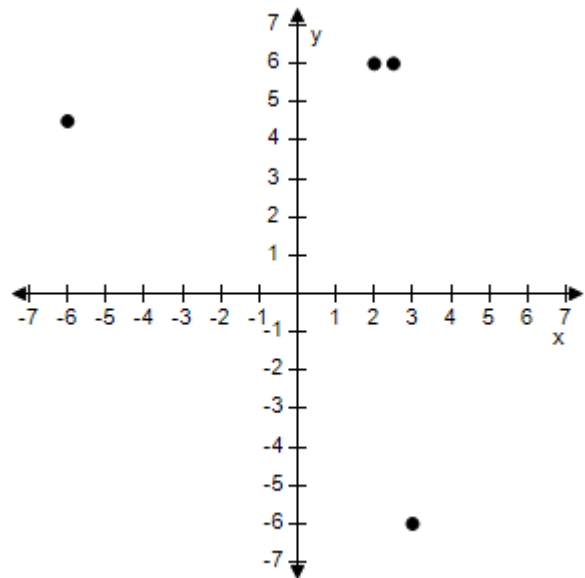


Section 1.01 - Rectangular Coordinates

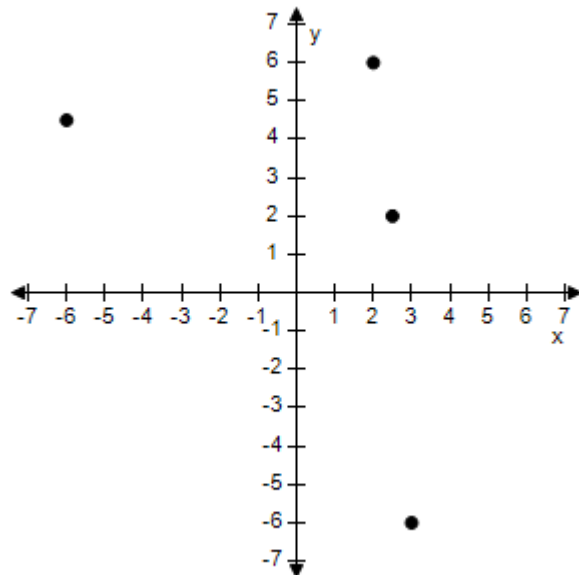
c.



d.



e.



ANSWER: d

POINTS: 1

REFERENCES: P.6.9

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

DATE CREATED: 4/9/2026 5:19 AM

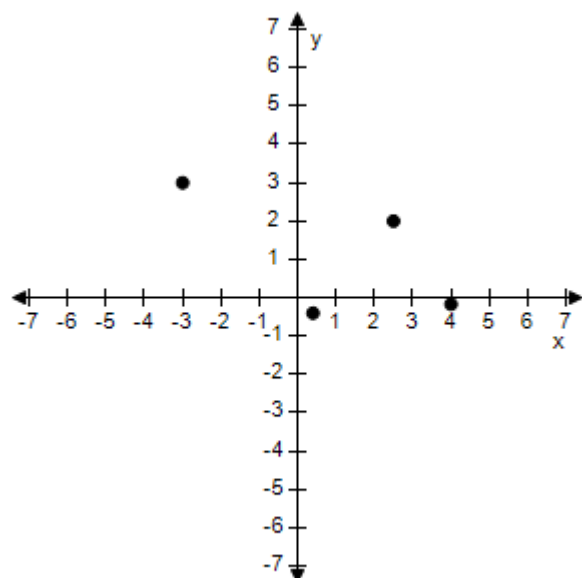
DATE MODIFIED: 4/9/2026 5:19 AM

8. Plot the points in the Cartesian plane.

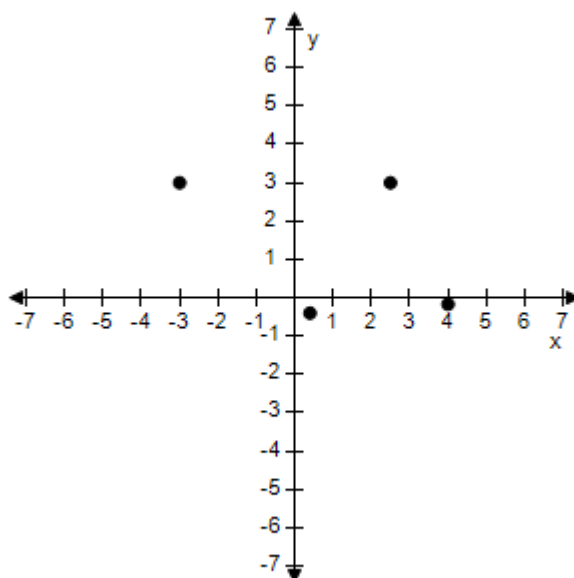
Section 1.01 - Rectangular Coordinates

$$\left(4, -\frac{1}{6}\right), \left(\frac{5}{2}, 5\right), (-3, 3), \left(\frac{2}{5}, -\frac{2}{5}\right)$$

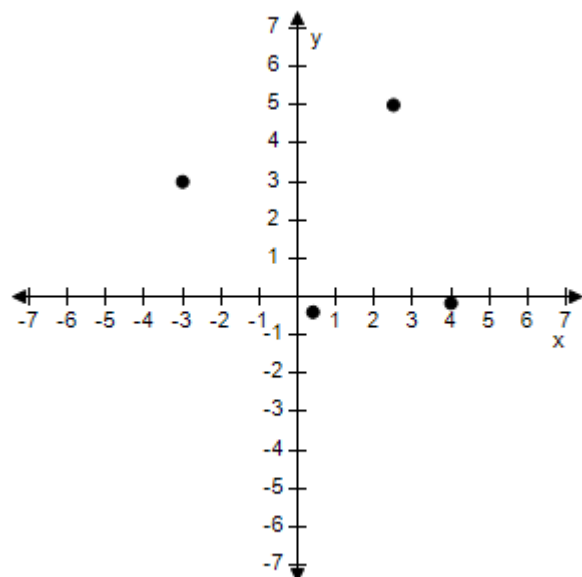
a.



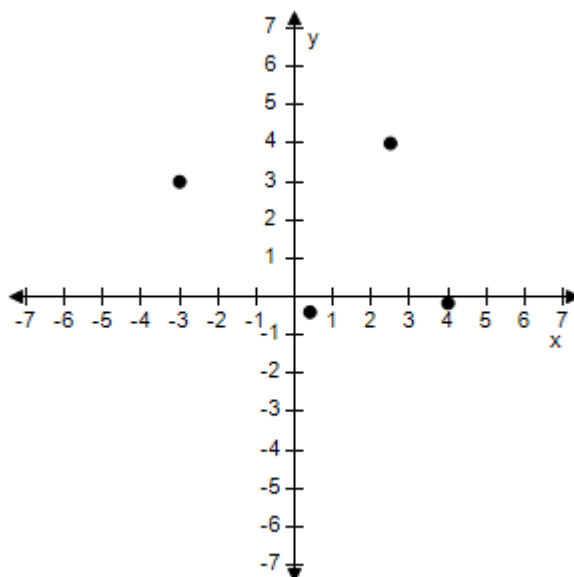
b.



c.

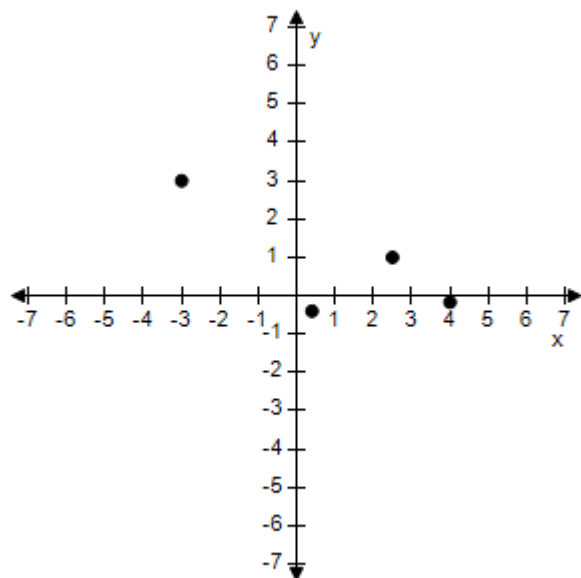


d.



Section 1.01 - Rectangular Coordinates

e.



ANSWER: c
POINTS: 1
REFERENCES: P.6.10
QUESTION TYPE: Multi-Mode (Multiple choice)
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
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9. A point is located six units to the left of the y -axis and seven units above the x -axis. Find the coordinates of the point.

- a. $(-6, 7)$
- b. $(7, 6)$
- c. $(-6, -7)$
- d. $(6, -7)$
- e. $(6, 7)$

ANSWER: a
POINTS: 1
REFERENCES: P.6.11
QUESTION TYPE: Multi-Mode (Multiple choice)
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
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10. Find the coordinates for the point that is nine units to the left of the y -axis and is eight units up from the x -axis.

- a. $(-9, -8)$
- b. $(9, -8)$

Section 1.01 - Rectangular Coordinates

- c. $(-9, 8)$
- d. $(11, 8)$
- e. $(9, 8)$

ANSWER: c
POINTS: 1
REFERENCES: P.6.12
QUESTION TYPE: Multi-Mode (Multiple choice)
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
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11. A point is located five units below the x -axis and the coordinates of the point are equal. Find the coordinates of the point.

- a. $(-5, 5)$
- b. $(-5, 0)$
- c. $(5, -5)$
- d. $(-5, -5)$
- e. $(5, 5)$

ANSWER: d
POINTS: 1
REFERENCES: P.6.13
QUESTION TYPE: Multi-Mode (Multiple choice)
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
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12. Determine the quadrant(s) in which (x, y) is located so that the condition(s) is (are) satisfied.
 $x > 7$ and $y < 0$

- a. Quadrant I and IV
- b. Quadrant III
- c. Quadrant I
- d. Quadrant IV
- e. Quadrant II

ANSWER: d
POINTS: 1
REFERENCES: P.6.15
QUESTION TYPE: Multi-Mode (Multiple choice)
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
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13. Determine the quadrant(s) in which (x, y) is located so that the condition(s) is (are) satisfied.

$$x < -8 \text{ and } y < -6$$

- a. Quadrant I
- b. Quadrant I and II
- c. Quadrant III
- d. Quadrant II
- e. Quadrant IV

ANSWER: c

POINTS: 1

REFERENCES: P.6.16

QUESTION TYPE: Multi-Mode (Multiple choice)

HAS VARIABLES: False

STUDENT ENTRY MODE: Basic

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14. Determine the quadrant(s) in which (x, y) is located so that the condition(s) is (are) satisfied.

$$x = -2 \text{ and } y > 0$$

- a. Quadrant IV
- b. Quadrant II or IV
- c. Quadrant II
- d. Quadrant I
- e. Quadrant III

ANSWER: c

POINTS: 1

REFERENCES: P.6.17

QUESTION TYPE: Multi-Mode (Multiple choice)

HAS VARIABLES: False

STUDENT ENTRY MODE: Basic

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15. Determine the quadrant(s) in which (x, y) is located so that the condition(s) is (are) satisfied.

$$x > 3 \text{ and } y = 1$$

- a. Quadrant III
- b. Quadrant I
- c. Quadrant III and IV
- d. Quadrant II
- e. Quadrant IV

ANSWER: b

POINTS: 1

REFERENCES: P.6.18

QUESTION TYPE: Multi-Mode (Multiple choice)

HAS VARIABLES: False