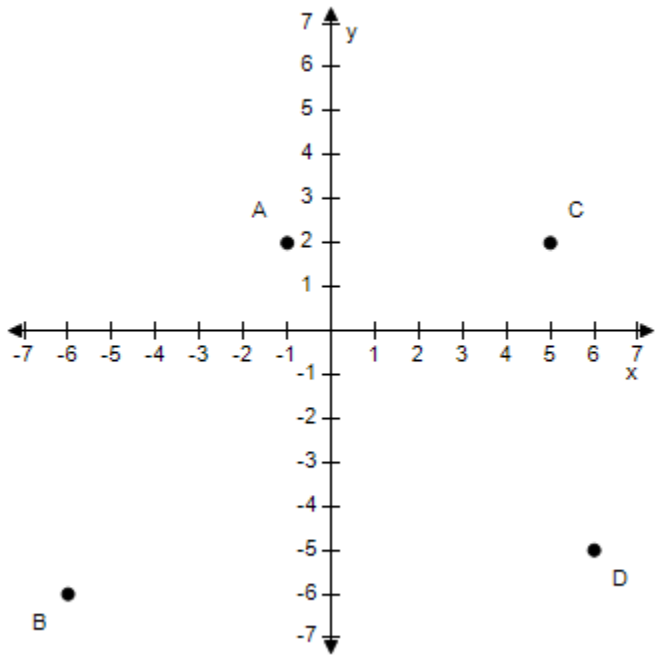
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Section 1.01 - Rectangular Coordinates

1. Approximate the coordinates of the points.



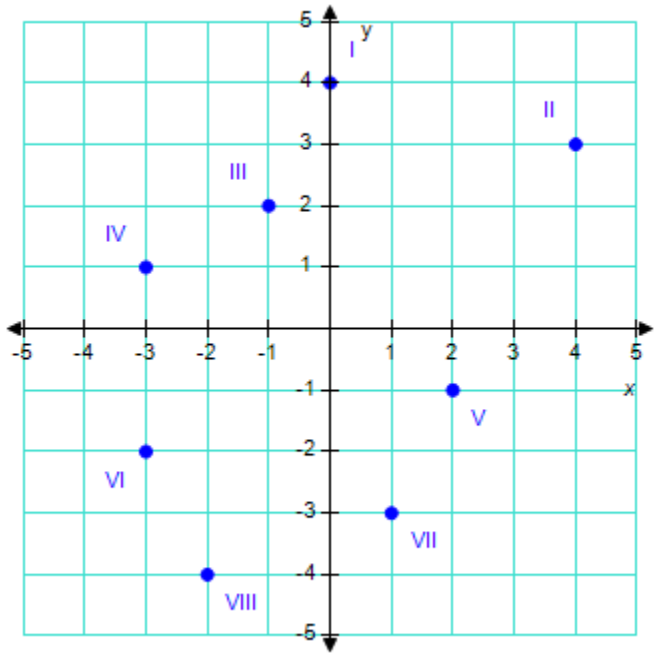
a. *A*: (4, 2), *B*: (–6, –6), *C*: (5, 2), *D*: (6, –5)
b. *A*: (1, 2), *B*: (–6, –6), *C*: (5, 2), *D*: (6, –5)
c. *A*: (2, 2), *B*: (–6, –6), *C*: (5, 2), *D*: (6, –5)
d. *A*: (3, 2), *B*: (–6, –6), *C*: (5, 2), *D*: (6, –5)
e. *A*: (–1, 2), *B*: (–6, –6), *C*: (5, 2), *D*: (6, –5)

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**.

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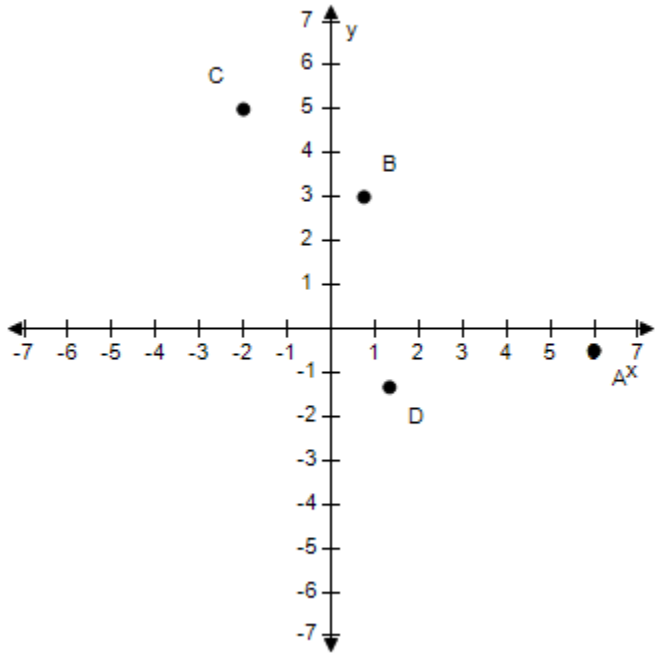
a. (-4, -3)
b. (-4, 3)
c. (3, 4)
d. (4, 3)
e. (-3, -4)

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

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

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

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

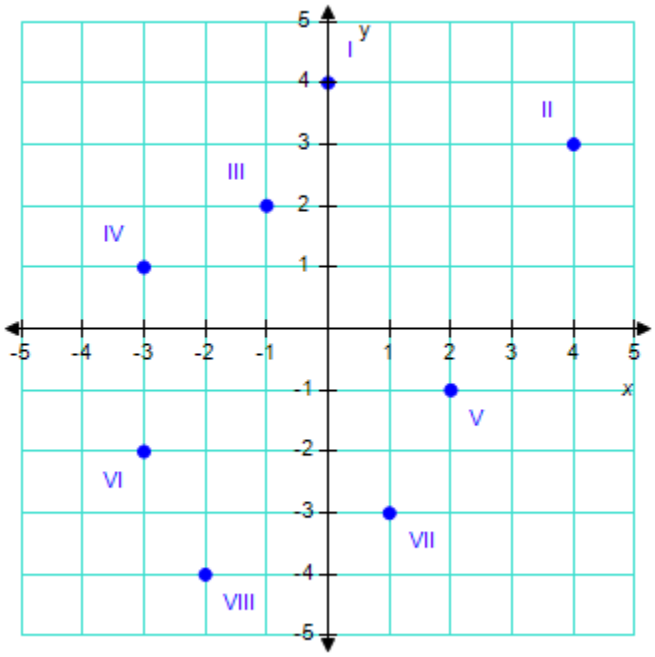
e. $A: \left(6, -\frac{1}{2}\right), B: \left(\frac{3}{4}, 2\right), C: (-2, 5), D: \left(\frac{4}{3}, -\frac{4}{3}\right)$

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)?

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

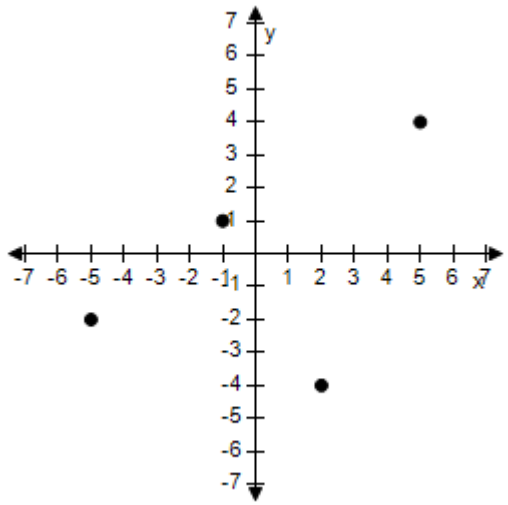
ANSWER: e
POINTS: 1
REFERENCES: P.6.7
QUESTION TYPE: Multi-Mode (Multiple choice)
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
DATE CREATED: 4/9/2026 5:19 AM
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5. Plot the points in the Cartesian plane.
(–4, 1), (–5, –2), (5, 4), (2, –4)

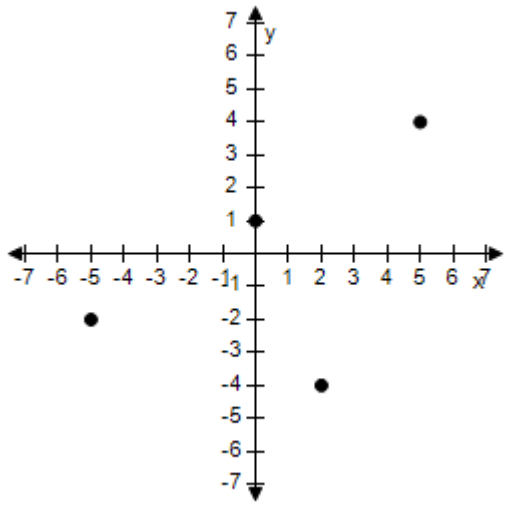
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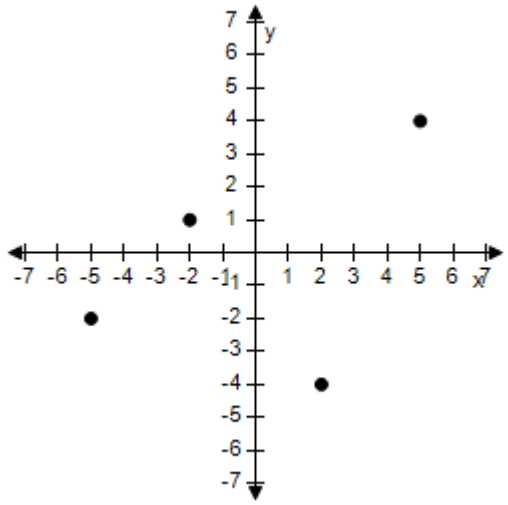
a.



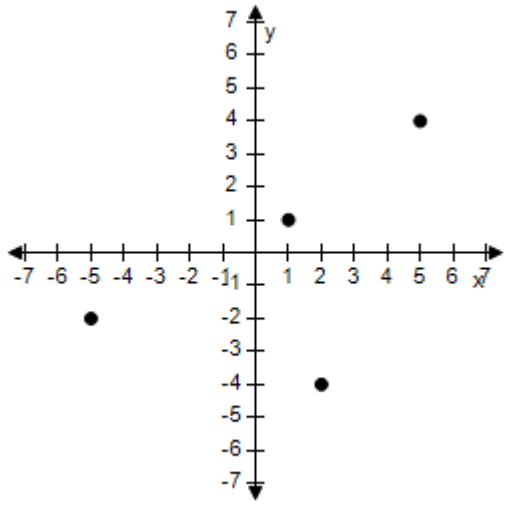
b.



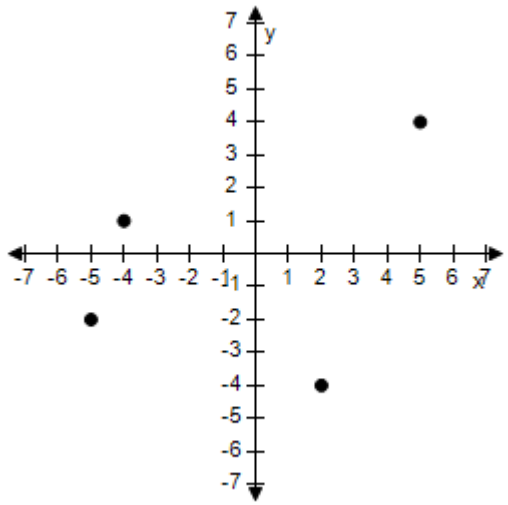
c.



d.



e.



ANSWER: e

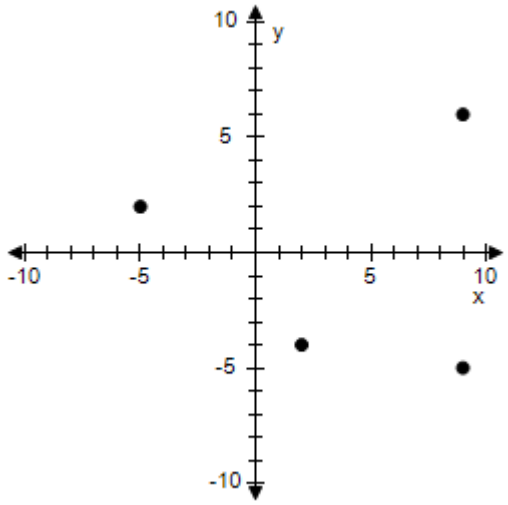
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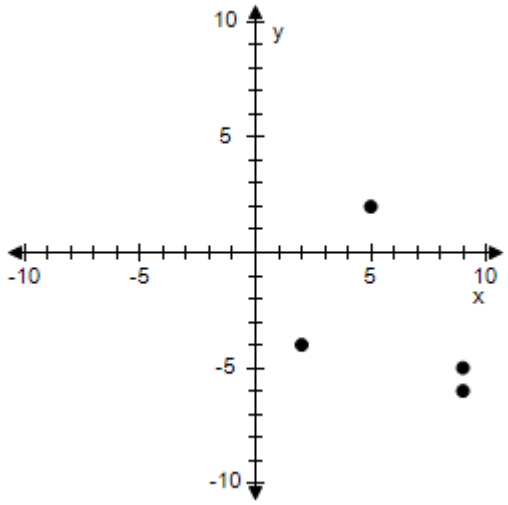
POINTS: 1
REFERENCES: P.6.7
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 4/9/2026 5:19 AM
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6. Plot the points below whose coordinates are given on a Cartesian coordinate system.
(5, 2), (9, –6), (2, –4), (9, –5)

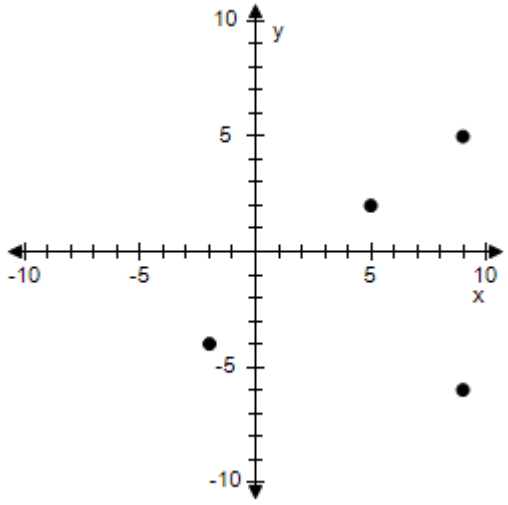
a.



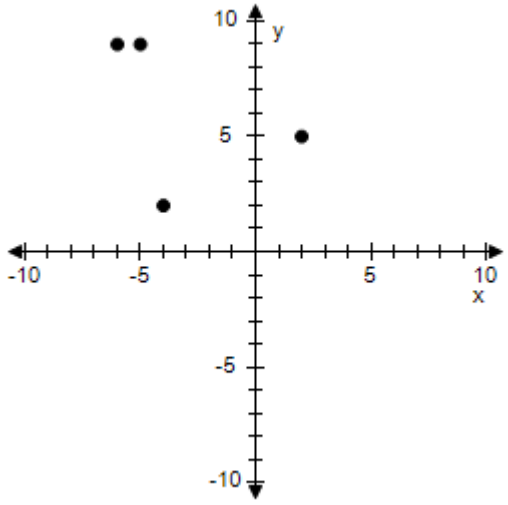
b.



c.



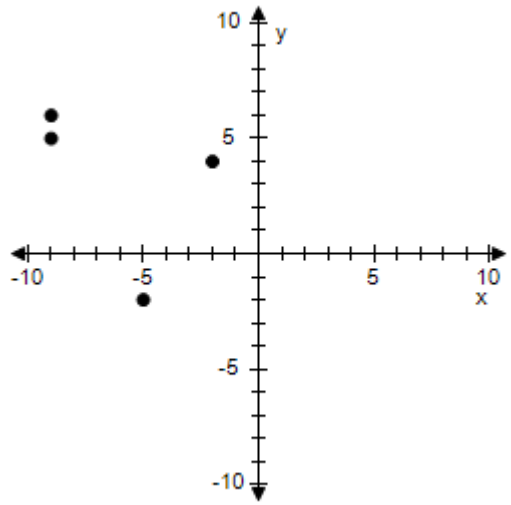
d.



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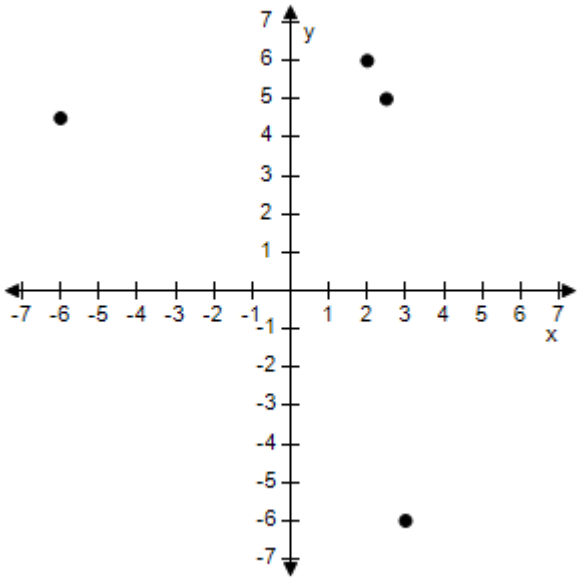
e.



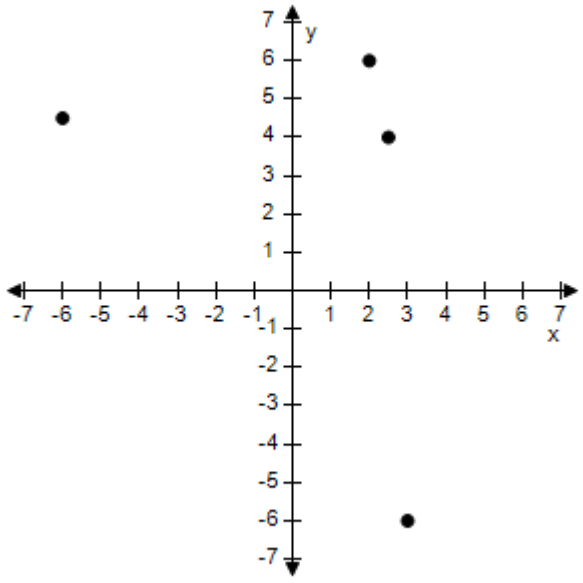
ANSWER: b
POINTS: 1
REFERENCES: P.6.8
QUESTION TYPE: Multi-Mode (Multiple choice)
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
DATE CREATED: 4/9/2026 5:19 AM
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7. Plot the points in the Cartesian plane.
(2, 6), (2.5, 6), (3, –6), (–6, 4.5)

a.



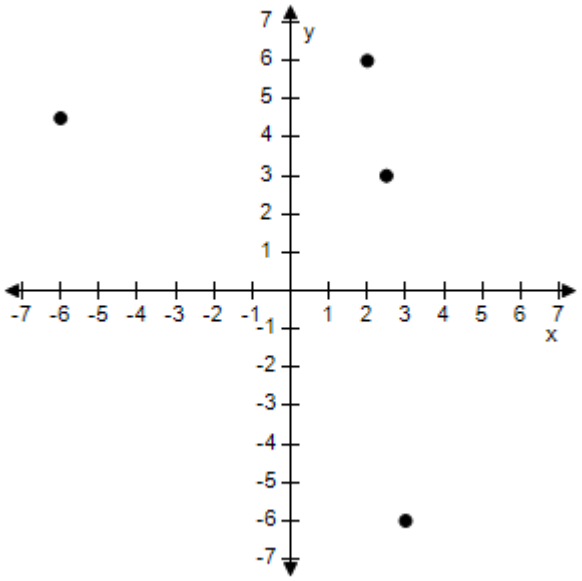
b.



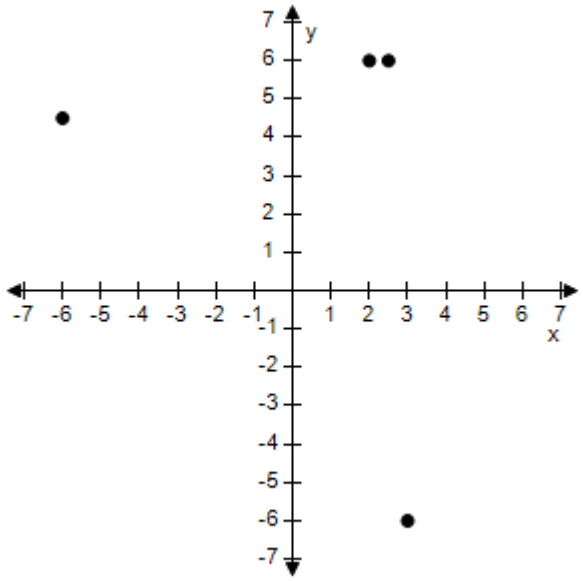
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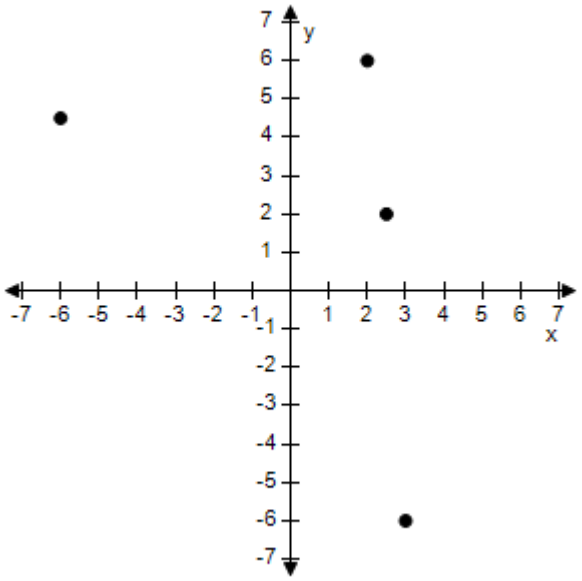
c.



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
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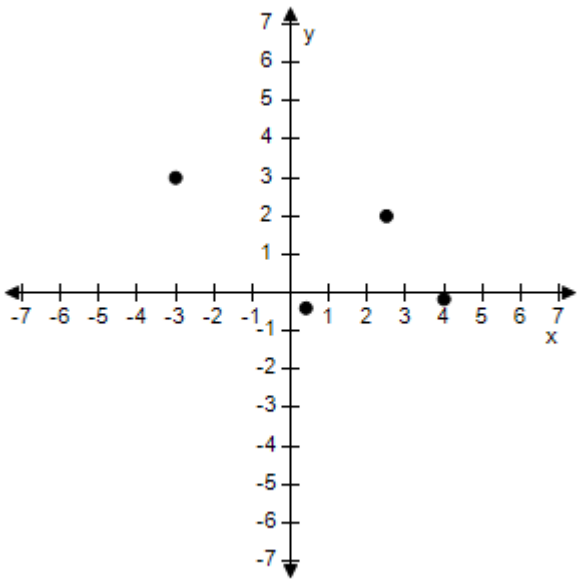
8. Plot the points in the Cartesian plane.

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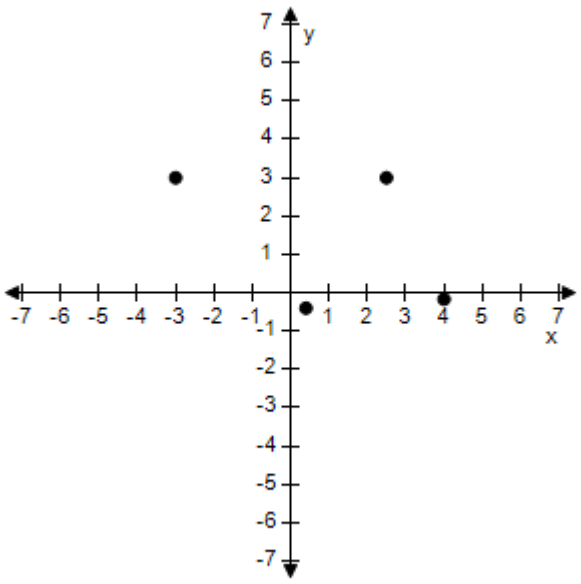
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$\left(4, -\frac{1}{6}\right), \left(\frac{5}{2}, 5\right), (-3, 3), \left(\frac{2}{5}, -\frac{2}{5}\right)$

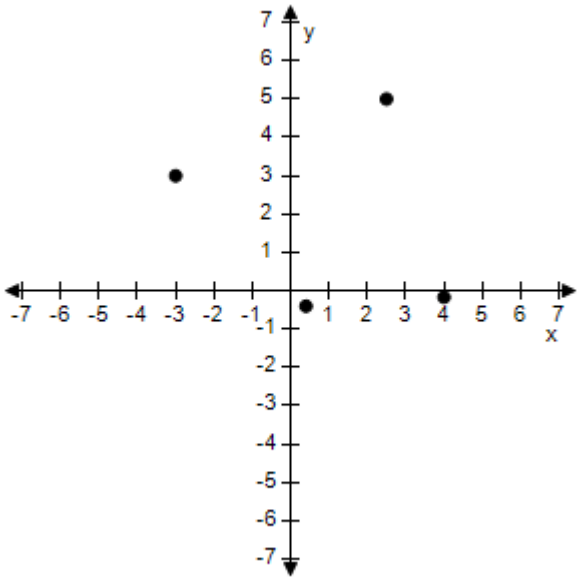
a.



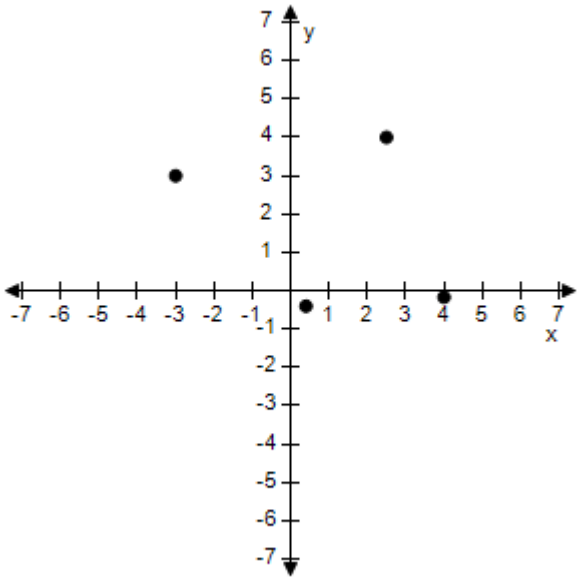
b.



c.



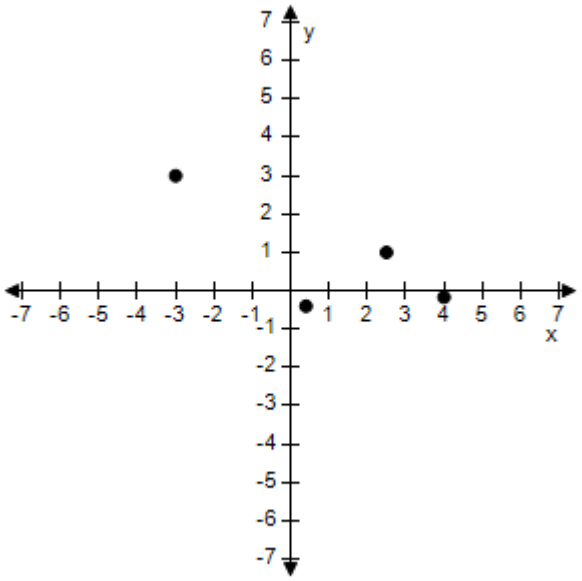
d.



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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)

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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.
$x < -8$ 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.
$x = -2$ 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.
$x > 3$ 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

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