

Write the New Coordinates

Write the coordinates obtained after the given reflection.

- 1) $A(-8, -6), B(-2, -6), C(-5, -4)$
Reflection across the line $x = 1$

A' : _____, B' : _____

C' : _____

- 2) $P(5, 10), Q(3, 6), R(7, 6), S(7, 10)$
Reflection across the line $y = 5$

P' : _____, Q' : _____

R' : _____, S' : _____

- 3) $K(7, -1), L(2, -1), M(2, 1), N(7, 1)$
Reflection across the x-axis

K' : _____, L' : _____

M' : _____, N' : _____

- $G(-1, 9), H(-5, 9), I(-1, 1), J(-5, 1)$
Reflection across the x-axis

F' : _____, G' : _____

H' : _____, I' : _____

- 5) $P(-7, 7), Q(-9, 1), R(-9, -5), S(-7, -5)$
Reflection across the line $y = -x$

P' : _____, Q' : _____

R' : _____, S' : _____

- $B(-5, 4), C(-5, 4), D(1, 3), E(1, 3)$
Reflection across the line $y = -x$

B' : _____, C' : _____

D' : _____, E' : _____

- 7) $T(7, -9), U(6, -6), V(3, -6), W(4, -9)$
Reflection across the line $y = -4$

T' : _____, U' : _____

V' : _____, W' : _____

- 8) $J(2, -3), K(3, -5), L(4, -3), M(3, -2)$
Reflection across the line $x = 6$

J' : _____, K' : _____

L' : _____, M' : _____

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Answer key**Write the New Coordinates**

Sheet 2

Write the coordinates obtained after the given reflection.

- 1) $A(-8, -6), B(-2, -6), C(-5, -4)$
Reflection across the line $x = 1$

$$A': \underline{(10, -6)}, \quad B': \underline{(4, -6)}$$

$$C': \underline{(7, -4)}$$

- 2) $P(5, 10), Q(3, 6), R(7, 6), S(7, 10)$
Reflection across the line $y = 5$

$$P': \underline{(5, 0)}, \quad Q': \underline{(3, 4)}$$

$$R': \underline{(7, 4)}, \quad S': \underline{(7, 0)}$$

- 3) $K(7, -1), L(2, -1), M(2, 8)$
Reflection across the x-axis

$$K': \underline{(7, 5)}$$

$$M': \underline{(2, 8)}$$

- $F(-1, 9), H(-5, 9)$
Reflection across the x-axis

$$F': \underline{(0, -4)}$$

$$H': \underline{(-5, -9)}$$

- 5) $P(-7, 7), Q(-9, 1)$
Reflection across the line $y = -x$

$$P': \underline{(1, 7)}$$

$$R': \underline{(-1, 1)}$$

- $C(-5, 4), D(1, 3)$
Reflection across the line $y = -x$

$$B': \underline{(-6, 3)}$$

$$D': \underline{(-3, -1)}$$

- 7) $T(7, -9), U(6, -6), V(3, -6), W(4, -9)$
Reflection across the line $y = -4$

$$T': \underline{(7, 1)}, \quad U': \underline{(6, -2)}$$

$$V': \underline{(3, -2)}, \quad W': \underline{(4, 1)}$$

- 8) $J(2, -3), K(3, -5), L(4, -3), M(3, -2)$
Reflection across the line $x = 6$

$$J': \underline{(10, -3)}, \quad K': \underline{(9, -5)}$$

$$L': \underline{(8, -3)}, \quad M': \underline{(9, -2)}$$

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