

Write the New Coordinates

Write the coordinates obtained after the given reflection.

- 1) $K(1, 1), L(1, 3), M(3, 3), N(3, 1)$
Reflection across the line $y = 4$

K' : _____, L' : _____

M' : _____, N' : _____

- 2) $F(-1, 1), G(1, 2), H(-1, 4)$
Reflection across the x-axis

F' : _____, G' : _____

H' : _____

- 3) $R(-3, 3), S(-4, 5), T(-2, 3)$
Reflection across the line $x = 1$

R' : _____, S' : _____

T' : _____, U' : _____

- $V(2, 2), W(5, 2), X(5, -4), Y(3, -3)$
Reflection across the line $x = 1$

B' : _____, C' : _____

D' : _____, E' : _____

- 5) $T(0, 2), U(2, 2), V(2, 4), W(0, 4)$
Reflection across the line $y = -x$

T' : _____, U' : _____

V' : _____, W' : _____

- $X(5, 6), Y(6, 6), Z(6, 3), A(5, 3)$
Reflection across the line $y = -x$

K' : _____, L' : _____

- 7) $P(-4, 5), Q(-4, 3), R(-1, 3), S(-1, 5)$
Reflection across the line $y = 1$

P' : _____, Q' : _____

R' : _____, S' : _____

- 8) $C(-8, -2), D(-7, -4), E(-6, -2), F(-5, -4)$
Reflection across the line $x = -5$

C' : _____, D' : _____

E' : _____, F' : _____

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Answer key**Write the New Coordinates**

Sheet 5

Write the coordinates obtained after the given reflection.

- 1) K(1, 1), L(1, 3), M(3, 3), N(3, 1)
Reflection across the line $y = 4$

K': (1, 7) , L': (1, 5)

M': (3, 5) , N': (3, 7)

- 2) F(-1, 1), G(1, 2), H(-1, 4)
Reflection across the x-axis

F': (-1, -1) , G': (1, -2)

H': (-1, -4)

- 3) R(-3, 3), S(-4, 5),
Reflection across

R': (-3, 3) ,

T': (-6, 5) ,

- 5) T(0, 2), U(2, 2), V
Reflection across

T': (4, 2) ,

V': (1, 5) ,

- 7) P(-4, 5), Q(-4, 3), R(-1, 3), S(-1, 5)
Reflection across the line $y = 1$

P': (-4, -3) , Q': (-4, -1)

R': (-1, -1) , S': (-1, -3)

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

B': (-2, -2)

D': (-1, -3)

- (-5, 6)
Reflection across the line $y = -x$

K': (-3, -4)

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