

Write the New Coordinates

Sheet 2

Write the coordinates obtained after the given translation.

1) $E(2, 0), F(5, 1), G(4, 2), H(2, 2)$

3 units up and 7 units left

$E':$ _____ , $F':$ _____

$G':$ _____ , $H':$ _____

2) $T(-5, -5), U(-2, -5), V(-2, -3), W(-5, -3)$

6 units right and 8 units up

$T':$ _____ , $U':$ _____

$V':$ _____ , $W':$ _____

3) $P(-4, 1), Q(-2, 1)$

2 units down and

$P':$ _____ ,

$R':$ _____ ,

5) $K(1, -2), L(3, -4),$

6 units left and 1

$K':$ _____ ,

$M':$ _____ ,

7) $S(-3, 1), T(-1, 1), U(-1, 3), V(-4, 4)$

5 units right and 4 units down

$S':$ _____ , $T':$ _____

$U':$ _____ , $V':$ _____

3) $B(-3, 5), C(-1, 5), D(-3, 4)$

5 units down

$B':$ _____

$D':$ _____

-4), $F(-1, -2), G(-3, -2)$

4 units right

$E':$ _____

$G':$ _____

8) $P(4, 2), Q(5, 4), R(3, 4)$

7 units down and 2 units left

$P':$ _____ , $Q':$ _____

$R':$ _____

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Answer key**Write the New Coordinates**

Sheet 2

Write the coordinates obtained after the given translation.

1) $E(2, 0), F(5, 1), G(4, 2), H(2, 2)$

3 units up and 7 units left

$E': \underline{(-5, 3)}, \quad F': \underline{(-2, 4)}$

$G': \underline{(-3, 5)}, \quad H': \underline{(-5, 5)}$

2) $T(-5, -5), U(-2, -5), V(-2, -3), W(-5, -3)$

6 units right and 8 units up

$T': \underline{(1, 3)}, \quad U': \underline{(4, 3)}$

$V': \underline{(4, 5)}, \quad W': \underline{(1, 5)}$

3) $P(-4, 1), Q(-2, 1)$

2 units down and 4 units right

$P': \underline{(0, -1)}, \quad Q': \underline{(2, -1)}$

$R': \underline{(2, 1)}, \quad S': \underline{(4, 1)}$

3) $B(-3, 4), C(-1, 5), D(-3, 4)$

5 units down

$B': \underline{(-3, -2)}, \quad C': \underline{(-1, -2)}$

$D': \underline{(-4, -1)}, \quad E': \underline{(-4, 1)}$

5) $K(1, -2), L(3, -4), M(-3, -2)$

6 units left and 1 unit up

$K': \underline{(-5, -1)}, \quad L': \underline{(-1, -3)}$

$M': \underline{(-3, -2)}, \quad N': \underline{(-1, -2)}$

4) $F(-1, -2), G(-3, -2), H(1, -2)$

4 units right

$E': \underline{(4, -1)}, \quad F': \underline{(3, -1)}$

$G': \underline{(1, 1)}, \quad H': \underline{(5, 1)}$

7) $S(-3, 1), T(-1, 1), U(-1, 3), V(-4, 4)$

5 units right and 4 units down

$S': \underline{(2, -3)}, \quad T': \underline{(4, -3)}$

$U': \underline{(4, -1)}, \quad V': \underline{(1, 0)}$

8) $P(4, 2), Q(5, 4), R(3, 4)$

7 units down and 2 units left

$P': \underline{(2, -5)}, \quad Q': \underline{(3, -3)}$

$R': \underline{(1, -3)}, \quad S': \underline{(1, -1)}$

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