

Write the New Coordinates

Sheet 3

Write the coordinates obtained after the given translation.

1) $J(-1, -3), K(1, -3), L(0, 0)$

4 units right and 5 units up

$J':$ _____ , $K':$ _____

$L':$ _____

2) $A(1, 2), B(3, 2), C(2, 4), D(0, 4)$

3 units left and 7 units down

$A':$ _____ , $B':$ _____

$C':$ _____ , $D':$ _____

3) $S(1, 1), T(3, 1), U(0, 0)$

6 units down and 4 units right

$S':$ _____ ,

$U':$ _____ ,

5) $C(-5, 2), D(-3, 2), E(-1, 2)$

7 units right and 6 units up

$C':$ _____ ,

$E':$ _____ ,

7) $A(3, -5), B(5, -5), C(4, -3), D(3, -3)$

1 unit up and 8 units left

$A':$ _____ , $B':$ _____

$C':$ _____ , $D':$ _____

4) $V(-1, 2), W(1, 2), X(2, 4), Y(0, 4), Z(-5, -3), R(-2, -3), S(-5, -3)$

4 units right

$Q':$ _____

$S':$ _____

6) $F(-1, 2), G(1, 2), H(2, 4), I(0, 4), J(-1, 2), K(1, 2), L(2, 4), M(3, -2), N(1, -1)$

6 units up

$L':$ _____

$N':$ _____

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Answer key**Write the New Coordinates**

Sheet 3

Write the coordinates obtained after the given translation.

1) $J(-1, -3), K(1, -3), L(0, 0)$

4 units right and 5 units up

$J': \underline{(3, 2)}, \quad K': \underline{(5, 2)}$

$L': \underline{(4, 5)}$

2) $A(1, 2), B(3, 2), C(2, 4), D(0, 4)$

3 units left and 7 units down

$A': \underline{(-2, -5)}, \quad B': \underline{(0, -5)}$

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

3) $S(1, 1), T(3, 1), U(0, 0)$

6 units down and 2 units left

$S': \underline{(-2, -5)},$

$U': \underline{(0, -2)},$

5) $C(-5, 2), D(-3, 2), E(-1, 2)$

7 units right and 4 units up

$C': \underline{(2, 0)},$

$E': \underline{(4, 2)},$

7) $A(3, -5), B(5, -5), C(4, -3), D(3, -3)$

1 unit up and 8 units left

$A': \underline{(-5, -4)}, \quad B': \underline{(-3, -4)}$

$C': \underline{(-4, -2)}, \quad D': \underline{(-5, -2)}$

4) $V(2, 2), W(4, 2), X(3, 4), Y(1, 4), Z(0, 4), R(-2, -3), S(-5, -3)$

4 units right

$Q': \underline{(2, 3)}$

$S': \underline{(-1, 5)}$

6) $F(2, 2), G(4, 2), H(3, 4), I(1, 4), J(0, 4), M(3, -2), N(1, -1)$

6 units up

$L': \underline{(3, 5)}$

$N': \underline{(-1, 5)}$

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8) $E(-4, 1), F(-2, 1), G(-1, 3), H(-5, 3)$

5 units down and 5 units right

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

$G': \underline{(4, -2)}, \quad H': \underline{(0, -2)}$