

## Write the New Coordinates

Write the coordinates obtained after the given translation.

1)  $A(-5, 3), B(-3, 3), C(-2, 5), D(-5, 4)$

8 units down and 7 units right

$A'$ : \_\_\_\_\_,  $B'$ : \_\_\_\_\_

$C'$ : \_\_\_\_\_,  $D'$ : \_\_\_\_\_

2)  $P(2, 1), Q(4, 1), R(5, 3), S(2, 3)$

2 units up and 5 units left

$P'$ : \_\_\_\_\_,  $Q'$ : \_\_\_\_\_

$R'$ : \_\_\_\_\_,  $S'$ : \_\_\_\_\_

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

4 units right and

$K'$ : \_\_\_\_\_,

$M'$ : \_\_\_\_\_,

5)  $E(1, 2), F(3, 2), G(1, 2)$

5 units down and

$E'$ : \_\_\_\_\_,

$G'$ : \_\_\_\_\_,

7)  $T(-5, 2), U(-1, 2), V(-2, 4), W(-4, 4)$

6 units right and 6 units down

$T'$ : \_\_\_\_\_,  $U'$ : \_\_\_\_\_

$V'$ : \_\_\_\_\_,  $W'$ : \_\_\_\_\_

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

6 units up

$T'$ : \_\_\_\_\_

$V'$ : \_\_\_\_\_

6)  $H(-5, 2), I(-1, 2), J(-2, 4), K(-4, 4)$

3 units right

$K'$ : \_\_\_\_\_

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

4 units left and 1 unit down

$A'$ : \_\_\_\_\_,  $B'$ : \_\_\_\_\_

$C'$ : \_\_\_\_\_,  $D'$ : \_\_\_\_\_

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**Write the New Coordinates**

Write the coordinates obtained after the given translation.

1)  $A(-5, 3), B(-3, 3), C(-2, 5), D(-5, 4)$

8 units down and 7 units right

$A': \underline{(2, -5)}$  ,  $B': \underline{(4, -5)}$

$C': \underline{(5, -3)}$  ,  $D': \underline{(2, -4)}$

2)  $P(2, 1), Q(4, 1), R(5, 3), S(2, 3)$

2 units up and 5 units left

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

$R': \underline{(0, 5)}$  ,  $S': \underline{(-3, 5)}$

3)  $K(-5, -4), L(-2, -4), M(1, -4), N(4, -4), O(4, -1), U(5, -3), V(2, -3)$

4 units right and 6 units up

$K': \underline{(-1, -1)}$  ,  $T': \underline{(-3, 1)}$

$M': \underline{(2, 1)}$  ,  $V': \underline{(-5, 3)}$

5)  $E(1, 2), F(3, 2), G(3, 2), H(3, 2), I(3, 2), J(3, 2), K(-5), L(-1, -3)$

5 units down and 3 units right

$E': \underline{(0, -3)}$  ,  $K': \underline{(2, 3)}$

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

7)  $T(-5, 2), U(-1, 2), V(-2, 4), W(-4, 4)$

6 units right and 6 units down

$T': \underline{(1, -4)}$  ,  $U': \underline{(5, -4)}$

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

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

4 units left and 1 unit down

$A': \underline{(-4, 1)}$  ,  $B': \underline{(-3, 3)}$

$C': \underline{(-4, 2)}$  ,  $D': \underline{(-5, 3)}$

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