

Write the New Coordinates

Sheet 1

Write the coordinates obtained after the given transformation.

- 1) $A(0, -3), B(0, -5), C(2, -5), D(3, -3)$
Translate 5 units up and 4 units right

 A' : _____, B' : _____ C' : _____, D' : _____

- 3) $K(5, 7), L(3, 7), M(3, 5), N(6, 4)$
Reflection across the line $y = 2$

 K' : _____, L' : _____ M' : _____, N' : _____

- 5) $U(-3, 6), V(-8, 1), W(-3, 1)$
 180° rotation about the origin

 U' : _____, V' : _____ W' : _____

- 7) $J(0, -8), K(2, -6), L(-2, -8), M(2, -10)$
Translate 4 units left and 6 units up

 J' : _____, K' : _____ L' : _____, M' : _____

- 2) $P(-3, 3), Q(-2, 6), R(-5, 5), S(-6, 2)$
 90° counterclockwise rotation about the origin

 P' : _____, Q' : _____ R' : _____, S' : _____

- 4) $D(-4, -5), E(0, -5), F(-1, -3), G(-3, -3)$
Translate 3 units left and 2 units down

 D' : _____, E' : _____ F' : _____, G' : _____

- 6) $Q(5, -8), R(5, -4), S(2, -4), T(2, -8)$
Reflection across the x-axis

 Q' : _____, R' : _____ S' : _____, T' : _____

- 8) $B(6, 2), C(4, 5), D(0, 2)$
 90° clockwise rotation about the origin

 B' : _____, C' : _____ D' : _____

Write the New Coordinates

Sheet 1

Write the coordinates obtained after the given transformation.

- 1) A(0, -3), B(0, -5), C(2, -5), D(3, -3)
Translate 5 units up and 4 units right

A': (4, 2) , B': (4, 0)

C': (6, 0) , D': (7, 2)

- 3) K(5, 7), L(3, 7), M(3, 5), N(6, 4)
Reflection across the line $y = 2$

K': (5, -3) , L': (3, -3)

M': (3, -1) , N': (6, 0)

- 5) U(-3, 6), V(-8, 1), W(-3, 1)
 180° rotation about the origin

U': (3, -6) , V': (8, -1)

W': (3, -1)

- 7) J(0, -8), K(2, -6), L(-2, -8), M(2, -10)
Translate 4 units left and 6 units up

J': (-4, -2) , K': (-2, 0)

L': (-6, -2) , M': (-2, -4)

- 2) P(-3, 3), Q(-2, 6), R(-5, 5), S(-6, 2)
 90° counterclockwise rotation about the origin

P': (-3, -3) , Q': (-6, -2)

R': (-5, -5) , S': (-2, -6)

- 4) D(-4, -5), E(0, -5), F(-1, -3), G(-3, -3)
Translate 3 units left and 2 units down

D': (-7, -7) , E': (-3, -7)

F': (-4, -5) , G': (-6, -5)

- 6) Q(5, -8), R(5, -4), S(2, -4), T(2, -8)
Reflection across the x-axis

Q': (5, 8) , R': (5, 4)

S': (2, 4) , T': (2, 8)

- 8) B(6, 2), C(4, 5), D(0, 2)
 90° clockwise rotation about the origin

B': (2, -6) , C': (5, -4)

D': (2, 0)