

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': _____

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

P': _____, Q': _____

R': _____, S': _____

- 3) $K(5, 7), L(3, 7), M(1, 7)$
Reflection across the y-axis

K': _____,

M': _____,

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

U': _____,

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': _____

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

E': _____

G': _____

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

R': _____

T': _____

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

B': _____, C': _____

D': _____

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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)

- 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)

- 3) K(5, 7), L(3, 7), M(3, 5)
Reflection across the y-axis

K': (5, -3),

M': (3, -1),

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

U': (3, -6),

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)

- 4) E(-3, -7), F(-1, -3), G(-3, -3)
Translate 2 units left and 2 units down

E': (-3, -7)

G': (-6, -5)

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

R': (5, 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)

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