

Write the New Coordinates

Sheet 2

Write the coordinates obtained after the given transformation.

1) $K(-3, -6), L(-8, -6), M(-8, -8), N(-3, -8)$

90° clockwise rotation about the origin

K' : _____, L' : _____

M' : _____, N' : _____

2) $U(-2, -3), V(1, -3), W(-2, 0)$

Reflection across the line $x = -3$

U' : _____, V' : _____

W' : _____

3) $D(-4, 2), E(-4, 4), F(-4, 6)$

Translate 1 unit right

D' : _____,

F' : _____,

5) $P(5, -5), Q(2, -4), R(5, -2)$

Reflection across the line $x = 0$

P' : _____,

R' : _____,

$S(7, 5), T(7, 8)$

Reflection about the origin

R' : _____

T' : _____

$V(7, 3), W(3, -2)$

Translate 2 units right and 3 units up

B' : _____

7) $B(3, 3), C(5, 7), D(3, 9), E(1, 7)$

90° counterclockwise rotation about the origin

B' : _____, C' : _____

D' : _____, E' : _____

8) $J(-7, 10), K(-8, 7), L(-3, 7), M(-2, 10)$

Reflection across the line $y = 4$

J' : _____, K' : _____

L' : _____, M' : _____

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Answer key**Write the New Coordinates**

Sheet 2

Write the coordinates obtained after the given transformation.

1) $K(-3, -6), L(-8, -6), M(-8, -8), N(-3, -8)$

90° clockwise rotation about the origin

$K': (-6, 3), L': (-6, 8)$

$M': (-8, 8), N': (-8, 3)$

2) $U(-2, -3), V(1, -3), W(-2, 0)$

Reflection across the line $x = -3$

$U': (-4, -3), V': (-7, -3)$

$W': (-4, 0)$

3) $D(-4, 2), E(-4, 4), F(-4, 6)$

Translate 1 unit right

$D': (-3, 2), E': (-3, 4), F': (-3, 6)$

$F': (-6, -3)$

5) $P(5, -5), Q(2, -4), R(2, -1)$

Reflection across the y-axis

$P': (-5, -5), Q': (-2, -4), R': (-2, -1)$

$R': (-7, 3)$

7) $B(3, 3), C(5, 7), D(3, 9), E(1, 7)$

90° counterclockwise rotation about the origin

$B': (-3, 3), C': (-7, 5), D': (-9, 3), E': (-7, 1)$

$E': (-7, 1)$

8) $J(-7, 10), K(-8, 7), L(-3, 7), M(-2, 10)$

Reflection across the line $y = 4$

$J': (-7, -2), K': (-8, 1), L': (-3, 1), M': (-2, -2)$

$M': (-2, -2)$

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$S(7, 5), T(7, 8)$

Reflection across the origin

$R': (-4, -5)$

$T': (-7, -8)$

6) $A(7, 5), B(2, -2), C(2, -2)$

Translate 7 units right and 3 units up

$B': (10, -4)$