

**Write the New Coordinates**

Sheet 3

Write the coordinates obtained after the rotation about the origin.

1)  $P(2, -8), Q(8, -8), R(8, -2), S(2, -2)$

180° rotation

$P': \underline{\hspace{2cm}}, Q': \underline{\hspace{2cm}}$

$R': \underline{\hspace{2cm}}, S': \underline{\hspace{2cm}}$

2)  $A(-10, -6), B(6, -6), C(0, 6), D(-9, 6)$

90° clockwise rotation

$A': \underline{\hspace{2cm}}, B': \underline{\hspace{2cm}}$

$C': \underline{\hspace{2cm}}, D': \underline{\hspace{2cm}}$

3)  $U(-9, 1), V(2, 1), W(2, -1)$

90° counterclockwise rotation

$U': \underline{\hspace{2cm}},$

$W': \underline{\hspace{2cm}}$

5)  $R(-4, 0), S(7, -4), T(7, 0)$

90° clockwise rotation

$R': \underline{\hspace{2cm}},$

$T': \underline{\hspace{2cm}},$

$G(3, 8), H(-2, 8)$

$F': \underline{\hspace{2cm}}$

$H': \underline{\hspace{2cm}}$

$L(4, 8), M(0, 2)$

90° clockwise rotation

$K': \underline{\hspace{2cm}}$

$M': \underline{\hspace{2cm}}$

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7)  $E(-9, -8), F(-5, -8), G(-5, -6)$

180° rotation

$E': \underline{\hspace{2cm}}, F': \underline{\hspace{2cm}}$

$G': \underline{\hspace{2cm}}$

8)  $T(-6, 9), U(-3, 0), V(10, 3)$

90° clockwise rotation

$T': \underline{\hspace{2cm}}, U': \underline{\hspace{2cm}}$

$V': \underline{\hspace{2cm}}$