

**Write the New Coordinates**

Sheet 1

Write the coordinates obtained after the rotation about the origin.

- 1) K(1, 0), L(4, 1), M(1, 4), N(-2, 3)  
90° counterclockwise rotation

K' : \_\_\_\_\_ , L' : \_\_\_\_\_

M' : \_\_\_\_\_ , N' : \_\_\_\_\_

- 2) E(-8, -8), F(-6, -10), G(-2, -8), H(-6, -6)  
180° rotation

E' : \_\_\_\_\_ , F' : \_\_\_\_\_

G' : \_\_\_\_\_ , H' : \_\_\_\_\_

- 3) P(5, 2), Q(8, 2), R(8, 5)  
90° clockwise rotation

P' : \_\_\_\_\_ ,

R' : \_\_\_\_\_ ,

- 5) J(2, 5), K(1, 0), L(5, 2)  
180° rotation

J' : \_\_\_\_\_ ,

L' : \_\_\_\_\_

- 7) T(-3, -1), U(1, -2), V(2, 2), W(-1, 1)  
90° counterclockwise rotation

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

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

- 8) C(6, 1), D(4, 3), E(6, 5), F(10, 1)  
180° rotation

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

E' : \_\_\_\_\_ , F' : \_\_\_\_\_

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- C(5, 1)  
90° clockwise rotation

B' : \_\_\_\_\_

- 3) T(-9, -5), U(-4, -3)  
90° clockwise rotation

S' : \_\_\_\_\_

U' : \_\_\_\_\_

## Write the New Coordinates

Sheet 1

Write the coordinates obtained after the rotation about the origin.

- 1) K(1, 0), L(4, 1), M(1, 4), N(-2, 3)  
90° counterclockwise rotation

$$K' : \underline{(0, 1)}, \quad L' : \underline{(-1, 4)}$$

$$M' : \underline{(-4, 1)}, \quad N' : \underline{(-3, -2)}$$

- 2) E(-8, -8), F(-6, -10), G(-2, -8), H(-6, -6)  
180° rotation

$$E' : \underline{(8, 8)}, \quad F' : \underline{(6, 10)}$$

$$G' : \underline{(2, 8)}, \quad H' : \underline{(6, 6)}$$

- 3) P(5, 2), Q(8, 2), R(8, 5)  
90° clockwise rotation

$$P' : \underline{(2, -5)}, \quad Q' : \underline{(5, -2)}$$

$$R' : \underline{(5, -8)}, \quad S' : \underline{(2, -5)}$$

- 5) J(2, 5), K(1, 0), L(5, 2)  
180° rotation

$$J' : \underline{(-2, -5)}, \quad K' : \underline{(-1, 0)}$$

$$L' : \underline{(-5, -1)}, \quad M' : \underline{(2, 5)}$$

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- C(5, 1)  
90° clockwise rotation

$$B' : \underline{(2, 5)}, \quad C' : \underline{(5, 1)}$$

- 3) T(-9, -5), U(-4, -3)  
180° rotation

$$S' : \underline{(-3, 7)}, \quad T' : \underline{(-9, -5)}$$

$$U' : \underline{(-3, 4)}, \quad V' : \underline{(-4, -3)}$$

- 7) T(-3, -1), U(1, -2), V(2, 2), W(-1, 1)  
90° counterclockwise rotation

$$T' : \underline{(1, -3)}, \quad U' : \underline{(2, 1)}$$

$$V' : \underline{(-2, 2)}, \quad W' : \underline{(-1, -1)}$$

- 8) C(6, 1), D(4, 3), E(6, 5), F(10, 1)  
180° rotation

$$C' : \underline{(-6, -1)}, \quad D' : \underline{(-4, -3)}$$

$$E' : \underline{(-6, -5)}, \quad F' : \underline{(-10, -1)}$$