

## Write the New Coordinates

Write the coordinates obtained after the given reflection.

1)  $S(1, -4), T(4, -4), U(4, -2), V(0, -2)$

Reflection across the line  $y = -5$

$S'$ : \_\_\_\_\_,  $T'$ : \_\_\_\_\_

$U'$ : \_\_\_\_\_,  $V'$ : \_\_\_\_\_

2)  $B(-8, -4), C(-6, -9), D(-4, -4)$

Reflection across the x-axis

$B'$ : \_\_\_\_\_,  $C'$ : \_\_\_\_\_

$D'$ : \_\_\_\_\_

3)  $P(-4, 3), Q(-1, 3)$

Reflection across the line  $x = -4$

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

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

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

Reflection across the line  $y = 1$

$E'$ : \_\_\_\_\_,

$G'$ : \_\_\_\_\_,

7)  $A(4, 3), B(5, 1), C(7, 1), D(8, 3)$

Reflection across the line  $x = 2$

$A'$ : \_\_\_\_\_,  $B'$ : \_\_\_\_\_

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

8)  $Q(-9, 0), R(-4, 0), S(-5, 2), T(-8, 2)$

Reflection across the line  $y = -3$

$Q'$ : \_\_\_\_\_,  $R'$ : \_\_\_\_\_

$S'$ : \_\_\_\_\_,  $T'$ : \_\_\_\_\_

$L(-6), M(-1, -6), N(-1, -4)$

Reflection across the line  $x = -4$

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

$N'$ : \_\_\_\_\_

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

Reflection across the line  $y = 1$

$V'$ : \_\_\_\_\_

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**Write the New Coordinates**

Sheet 3

Write the coordinates obtained after the given reflection.

1)  $S(1, -4), T(4, -4), U(4, -2), V(0, -2)$

Reflection across the line  $y = -5$ 

$S': (1, -6), T': (4, -6)$

$U': (4, -8), V': (0, -8)$

2)  $B(-8, -4), C(-6, -9), D(-4, -4)$

Reflection across the x-axis

$B': (-8, 4), C': (-6, 9)$

$D': (-4, 4)$

3)  $P(-4, 3), Q(-1, 3)$

Reflection across the line  $x = -4$ 

$P': (10, 3)$

$R': (6, 6)$

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

Reflection across the line  $y = 1$ 

$E': (6, -7)$

$G': (7, -8)$

7)  $A(4, 3), B(5, 1), C(7, 1), D(8, 3)$

Reflection across the line  $x = 2$ 

$A': (0, 3), B': (-1, 1)$

$C': (-3, 1), D': (-4, 3)$

8)  $Q(-9, 0), R(-4, 0), S(-5, 2), T(-8, 2)$

Reflection across the line  $y = -3$ 

$Q': (-9, -6), R': (-4, -6)$

$S': (-5, -8), T': (-8, -8)$

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$L(-6), M(-1, -6), N(-1, -4)$

Reflection across the line  $x = -4$ 

$L': (-5, -6)$

$N': (-7, -4)$

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

Reflection across the line  $y = 1$ 

$V': (6, 5)$