Name:

Finding the Slope

Formula: slope
$$m = \frac{\text{rise}}{\text{run}} = \frac{y_2 - y_1}{x_2 - x_1}$$

Use the given points to find the slope of the line.

$$\bigcirc$$
 (0,0) and (5,2)

Finding the Slope

$$(f)$$
 (2,1) and (5,4)

ANSWERS

Finding the Slope

$$(0,0)$$
 and $(5,2)$

rise =
$$\frac{2}{2} - \frac{0}{0}$$
 run = $\frac{5}{5} - \frac{0}{0}$ = $\frac{5}{5}$

$$m = \frac{2}{5}$$

$$m = \frac{2}{5}$$

$$m = \frac{2}{-4}$$
 or $-\frac{2}{4}$

$$(\mathbf{f})$$
 (2,1) and (5,4)

$$m = \frac{3}{3}$$
 or 1

$$(5,2)$$
 and $(6,5)$

rise =
$$\frac{5}{-2}$$
 run = $\frac{6}{-5}$ = $\frac{1}{-5}$

$$m = \frac{3}{1}$$
 or 3

$$(9)$$
 (-3,1) and (4,6)

$$m = \frac{\frac{5}{7}}{}$$

d
$$(-4,5)$$
 and $(1,7)$

rise =
$$\frac{7}{2} - \frac{5}{2}$$
 run = $\frac{1}{2} - \frac{-4}{2}$ = $\frac{5}{2}$

$$m = \frac{2}{5}$$

$$(h)$$
 (-1,4) and (6,7)

$$m = \frac{3}{7}$$