Slope (x_1, y_1) (x_2, y_2)

$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

$(3, 5)$ $(-2, 1)$

$$m = \frac{5 - 1}{3 - -2} \qquad m = \frac{1 - 5}{-2 - 3}$$

$$m = \frac{4}{5} \ \frac{\text{rise}}{\text{run}} \qquad m = \frac{-4}{-5}$$

$$m = \frac{4}{5}$$

$$m = \frac{6}{8} \qquad m = \frac{5}{1} \ \frac{\text{rise}}{\text{run}}$$

Reduce $m = \frac{3}{4}$ $\qquad m = 5$

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

1) $(-2, 1)$ $(3, 4)$ $m = \frac{3}{5}$

2) $(0, 4)$ $(-1, 3)$ $m = 1$

3) $(5, -2)$ $(3, -4)$ $m = 1$

4) $(1, 4)$ $(2, 6)$ $m = 2$

5) $(-3, 3)$ $(2, -1)$ $m = -\frac{4}{5}$

6) $(2, 5)$ $(-1, 5)$ $m = 0$ Horizontal (y's same)

7) $(-4, 3)$ $(2, 3)$ $m = 0$

8) $(6, 1)$ $(6, -4)$ undefined Vertical (x's same)

9) $(8, 0)$ $(8, 3)$ undefined

10) $(-5, 1)$ $(-5, 2)$ undefined