(10) Parallel, Perpendicular, Neither

Same slope

opposite/reciprocal slopes

slope

$$y = mx + b$$

$$3y = 2x + 21$$
$$6x + 2y = -16$$

$$\frac{3y}{3} = \frac{2x}{3} + \frac{21}{3}$$

$$y = \frac{2}{3}x + 7$$

$$m = \frac{2}{3}$$

$$6x + 2y = -16$$

$$\frac{2y}{2} = \frac{-6x}{2} - \frac{16}{2}$$

$$y = -3x - 8$$

$$m = -3$$

Neither