

Parallel and Perpendicular Lines

For each pair of equations below, decide if they are parallel, perpendicular, or neither.

1. $y = 2x + 9$

$$y = 2x + 8$$

2. $y = 4x - 2$

$$y = -4x + 5$$

3. $y = \frac{2}{4}x$

$$y = -\frac{4}{2}x$$

4. $y = \frac{1}{9}x + 12$

$$y = \frac{-9}{1}x - 8$$

5. $y = 7x + 4$

$$y = 7x - 10$$

6. $y = 4x + 9$

$$y = 2x + 9$$