

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. $y = 4x + 9$

$y = 2x + 9$