

Slope of Parallel and Perpendicular Lines

Parallel Lines

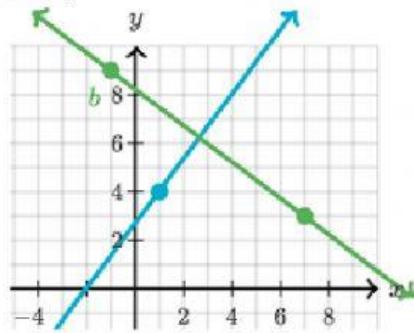
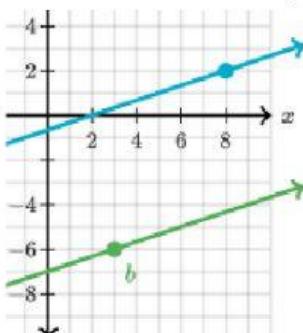
Perpendicular Lines

Definition

Lines on a plane that never _____

Lines that intersect at a _____ angle

Picture



Slope

EQUAL

Example: $\frac{3}{4} \rightarrow \underline{\hspace{2cm}}$

OPPOSITE RECIPROCALES

Example: $\frac{3}{4} \rightarrow \underline{\hspace{2cm}}$

Examples

$$y = 3x + 4$$

$$y = 3x - 6$$

$$y = \frac{1}{2}x - 9$$

$$y = \underline{\hspace{2cm}}x + 7$$

$$y = 5x + 10$$

$$y = \underline{\hspace{2cm}}x$$

$$y = 5x - 2 \quad y = -\frac{1}{5}x + 1$$

$$y = -\frac{2}{3}x + 18 \quad y = \underline{\hspace{2cm}}x - 12$$

$$y = 8x - 4 \quad y = \underline{\hspace{2cm}}x + 4$$