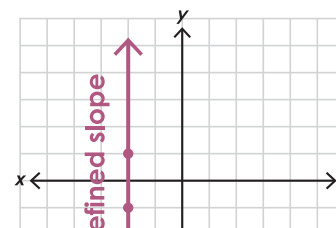
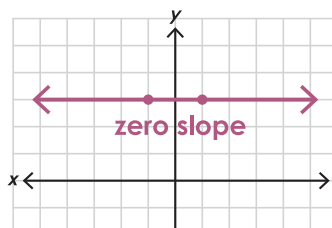
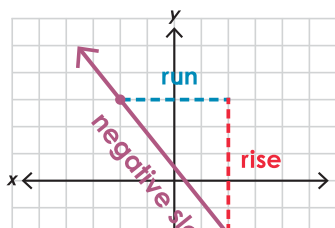
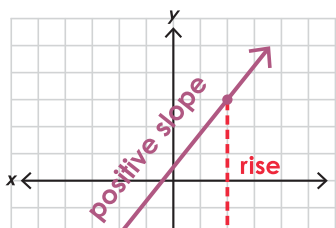


Slope

The steepness of a line is called the **slope**.

Slope relates the **vertical change** (change in **y-value**) to the **horizontal change** (change in **x-value**).

vertical change \longrightarrow **rise**
 horizontal change \longrightarrow **run**



Preview

Please log in to download the printable version of this worksheet.

$(-3, 2)$ and $(-6, 4)$

\uparrow
 x_1 \uparrow
 y_1

\uparrow
 x_2 \uparrow
 y_2

$$\begin{aligned} \text{rise} &= y_2 - y_1 \\ &= 4 - 2 \\ &= 2 \end{aligned}$$

$$\begin{aligned} \text{run} &= x_2 - x_1 \\ &= -6 - (-3) \\ &= -3 \end{aligned}$$

$$m = \frac{2}{-3} \text{ or } -\frac{2}{3}$$

