What is SLOPE? Steep a line is

$$
m=\frac{r_{1} \mathrm{se}}{\text { run }}=\frac{\text { change in } y}{\text { Changein } x}=\frac{y_{2}-y_{1}}{x_{2}-x_{1}}
$$



Rate of Change
1 Find the slope of a line that passes through $(13)$ \&

1. Find the slope of a line that passes through $(1,3)$ \& $(-2,-3)$. Then graph.

$$
\begin{aligned}
& x_{2} y_{2} \\
& \left.m=\frac{-3-3}{-2-1}=\frac{-6}{-3}=200 \frac{2}{1}, 2\right)
\end{aligned}
$$

2. Graph the line that passes through $(1,-3)$ with slope $-3 / 4$.

$$
m=\frac{-3}{4} \downarrow \text { or } \frac{3}{-4} 5
$$



