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Find the slope of the line that passes through the two points.
Two methods:

1) Plot the two points and find the rise and run.
2) Use $\frac{y_{2}-y_{1}}{x_{2}-x_{1}}$

Example: $(4,1)$ and $(0,-3)$


Example: $(1,4)$ and $(3,9)$
$x_{1}, y_{1} \quad x_{2}, y_{2}$
$x_{1}=1 \quad y_{1}=4 \quad x_{2}=3 \quad y_{2}=9$
Plug in: $\frac{9-4}{3-1}=\frac{5}{2}$

Try These using graphing.

1) Find the slope of the line that passes through $(3,1)$ and $(-2,-1)$.

2) Find the slope of the line that passes through $(1,2)$ and $(3,5)$.

3) Find the slope of the line that passes through $(2,2)$ and $(0,-1)$.

4) Find the slope of the line that passes through $(2,3)$ and $(-2,1)$.

5) Find the slope of the line that passes through $(5,0)$ and $(-3,-2)$.

6) Find the slope of the line that passes through $(0,4)$ and $(1,5)$.


Try these using $\frac{y_{2}-y_{1}}{x_{2}-x_{1}}$

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| :--- | :--- |

7) $(2,4)$ and $(3,5)$
8) $(0,3)$ and $(4,4)$
9) $(1,6)$ and $(-2,4)$
10) 

$(2,0)$ and $(3,-2)$
11) $(-2,4)$ and $(6,-1)$
12)
$(3,3)$ and $(2,7)$
13) $(-3,-2)$ and (-1,1)
14)
$(1,4)$ and $(-3,3)$

