## Algebra I <br> 8-3 <br> Slope

Slope - $m=\frac{\text { rise }}{\text { run }}=\frac{\text { change in } y}{\text { change in } x}=\frac{\text { change in output }}{\text { change in input }}$

$$
m=\frac{y_{2}-y_{1}}{x_{2}-x_{1}} \quad\left(x_{1}, y_{1}\right)\left(x_{2}, y_{2}\right)
$$

Positive Slope - uphill, left to right
Negative Slope - downhill, left to sight
Zero Slope -horizontal, $y=$
No Slope-vertical, $x=$



Find the slope of the line through the given points.(pg 363)


Assignment: The Classic
Pg. 363 8-3
2-12 even
$16,17,20,22\}$ Graph, 1 per graph $23,26,28,30\}$

