## Algebra II <br> 3-1 <br> Slope



Find the slope of the line containing the given points. (pg 116) If the line has no slope, write, "vertical".

$$
\begin{aligned}
& \text { 1) } \begin{array}{l}
\left(3, y, y_{1}, x_{2}, y_{2}\right. \\
m=\frac{y_{2}-y_{1}}{x_{2}-x_{1}}=\frac{5-1}{5-3}=\frac{4}{2}=2
\end{array}=\frac{2}{2}
\end{aligned}
$$



Graph the line through point $P$ having slope $m$.
Find the coordinates of two other peints on the line.

$$
\text { 25) } P(0,2), m=1
$$

$m=1=\frac{1}{1}$


Find the value of $k$ so that the given line has slope $m$.


## Assignment:

Pg. 116
2-46 even, 33, 35
(8 Graphs)
Need: 1 Sheet of Graph Paper

