


When we are given the endpoints of a line segment we use the following formula to find the slope


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Determine the endpoint of a line segment given the slope and one endpoint.

The slope of a line segment 2 . It has endpoints $\begin{array}{r}x_{1}(-4,-3)\end{array}$ $\mathrm{Q}(1, \mathrm{k})$. Find the value of k .


$$
m=y_{2}-y_{1}
$$

$$
Q=(1,7)
$$



## Assignment: Pg. 166

## 7 odds, 8, 9a, 12ab, 17-18 odds

