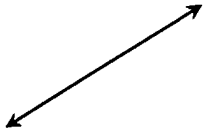
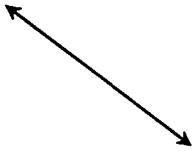
# SLOPE REVIEW!

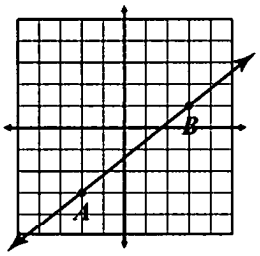
## Classifying Slope

|  |  |  |  |
|---|---|---|---|
| Positive | Negative | Zero | Undefined |

## Finding Slope

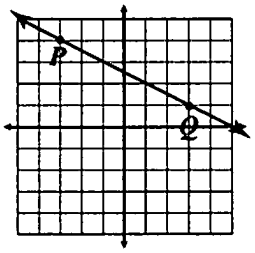
**Given a graph, use:** $m = \frac{\text{rise}}{\text{run}}$

**1.**



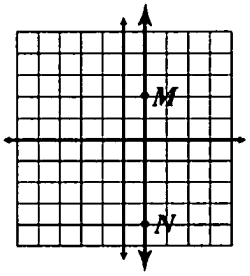

$m = \frac{4}{5}$

**2.**



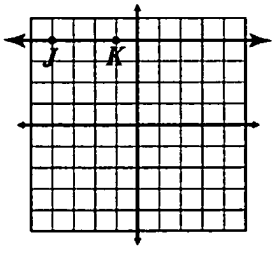

$m = \frac{-3}{6} = \frac{-1}{2}$

**3.**




$m = \frac{6}{0} = \text{undef.}$

**4.**




$m = \frac{0}{3} = 0$

**Given ordered pairs, use:** $m = \frac{y_2 - y_1}{x_2 - x_1}$

**5.** Find the slope of $\overleftrightarrow{AB}$: $A(-2, 5)$ and $B(6, -1)$

$m = \frac{-1-5}{6+2} = \frac{-6}{8} = \frac{-3}{4}$

**6.** Find the slope of $\overleftrightarrow{GH}$: $G(-11, -3)$ and $H(-6, 7)$

$m = \frac{7+3}{-6+11} = \frac{10}{5} = 2$

**7.** Find the slope of $\overleftrightarrow{XY}$: $X(9, -4)$ and $Y(9, 2)$

$m = \frac{2+4}{9-9} = \frac{6}{0} = \text{undef.}$

**8.** Find the slope of $\overleftrightarrow{RS}$: $R(-7, -3)$ and $S(0, -3)$

$m = \frac{-3+3}{0+7} = \frac{0}{7} = 0$