

$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

What do you get when you cross a bee with a doorbell?

Find the slope for each pair of points. Write the letter of the problem above your answer below.

M $\begin{matrix} x_1 & y_1 & x_2 & y_2 \\ (4, 3) & (8, 5) \end{matrix}$

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

A $\begin{matrix} x_1 & y_1 & x_2 & y_2 \\ (-2, 4) & (1, 6) \end{matrix}$

$$m = \frac{6-4}{1-(-2)} = \frac{2}{3}$$

G $\begin{matrix} x_1 & y_1 & x_2 & y_2 \\ (3, 8) & (7, 7) \end{matrix}$

$$m = \frac{7-8}{7-3} = \frac{-1}{4}$$

E $\begin{matrix} x_1 & y_1 & x_2 & y_2 \\ (3, -4) & (9, 4) \end{matrix}$

$$m = \frac{4-(-4)}{9-3} = \frac{8}{6} = \frac{4}{3}$$

D $\begin{matrix} x_1 & y_1 & x_2 & y_2 \\ (-3, 5) & (-5, 8) \end{matrix}$

$$m = \frac{8-5}{-5-(-3)} = \frac{3}{-2}$$

H $\begin{matrix} x_1 & y_1 & x_2 & y_2 \\ (-6, -7) & (-4, -4) \end{matrix}$

$$m = \frac{-4-(-7)}{-4-(-6)} = \frac{3}{2}$$

N $\begin{matrix} x_1 & y_1 & x_2 & y_2 \\ (4, 3) & (11, 5) \end{matrix}$

$$m = \frac{5-3}{11-4} = \frac{2}{7}$$

U $\begin{matrix} x_1 & y_1 & x_2 & y_2 \\ (6, 2) & (9, 2) \end{matrix}$

$$m = \frac{2-2}{9-6} = \frac{0}{3} = 0$$

I $\begin{matrix} x_1 & y_1 & x_2 & y_2 \\ (3, 10) & (3, 5) \end{matrix}$

$$m = \frac{5-10}{3-3} = \frac{-5}{0} = \text{undefined (NO SLOPE)}$$

R $\begin{matrix} x_1 & y_1 & x_2 & y_2 \\ (0, 4) & (-5, 7) \end{matrix}$

$$m = \frac{7-4}{-5-0} = \frac{-3}{5}$$



A	H	U	M	D	I	N	G	E	R
$\frac{2}{3}$	$\frac{3}{2}$	0	$\frac{1}{2}$	$-\frac{3}{2}$	No slope	$\frac{2}{7}$	$-\frac{1}{4}$	$\frac{4}{3}$	$-\frac{3}{5}$