

Finding Slope from Two Points Riddle

Use the formula $m = \frac{y_2 - y_1}{x_2 - x_1}$ to find the slope, m . Then, match your answer with the corresponding letter to help solve the riddle.

What did the inventor of the "knock-knock" joke win?

-4	-1	2	$-\frac{2}{5}$	$\frac{2}{3}$	$\frac{2}{3}$

$\frac{1}{3}$	3	$\frac{1}{2}$	1	$-\frac{2}{5}$

B (2, 3) (4, 7)	R (0, 0) (2, 6)	Z (4, -1) (1, -4)
I (0, 4) (2, 5)	L (-3, -2) (3, 2)	P (1, 7) (4, 8)
O (0, 3) (6, -3)	N (3, 10) (5, 2)	E (5, 1) (10, -1)

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-4	-1	2	$-\frac{2}{5}$	$\frac{2}{3}$	$\frac{2}{3}$
N	O	B	E	L	L

$\frac{1}{3}$	3	$\frac{1}{2}$	1	$-\frac{2}{5}$
P	R	I	Z	E

<p>B (2, 3) (4, 7)</p> $m = \frac{7-3}{4-2}$ $m = \frac{4}{2} = 2$	<p>R (0, 0) (2, 6)</p> $m = \frac{6-0}{2-0}$ $m = \frac{6}{2} = 3$	<p>Z (4, -1) (1, -4)</p> $m = \frac{-4-(-1)}{1-4}$ $m = \frac{-3}{-3} = 1$
<p>I (0, 4) (2, 5)</p> $m = \frac{5-4}{2-0}$ $m = \frac{1}{2}$	<p>L (-3, -2) (3, 2)</p> $m = \frac{2-(-2)}{3-(-3)}$ $m = \frac{4}{6} = \frac{2}{3}$	<p>P (1, 7) (4, 8)</p> $m = \frac{8-7}{4-1}$ $m = \frac{1}{3}$
<p>O (0, 3) (6, -3)</p> $m = \frac{-3-3}{6-0}$ $m = \frac{-6}{6} = -1$	<p>N (3, 10) (5, 2)</p> $m = \frac{2-10}{5-3}$ $m = \frac{-8}{2} = -4$	<p>E (5, 1) (10, -1)</p> $m = \frac{-1-1}{10-5}$ $m = -\frac{2}{5}$