

GRADE 11 ESSENTIAL
UNIT F – RELATIONS AND PATTERNS
SLOPE

Name: _____

Date: _____

ie: _____ Date: _____ Period: _____

What Did the Inventor of the 10-Ton Truck So Often Say?



For each exercise, draw a line through the two given points. Find the slope of this line. Write the letter of the exercise in the box containing the slope.

B (4, 4)
(1, 2)

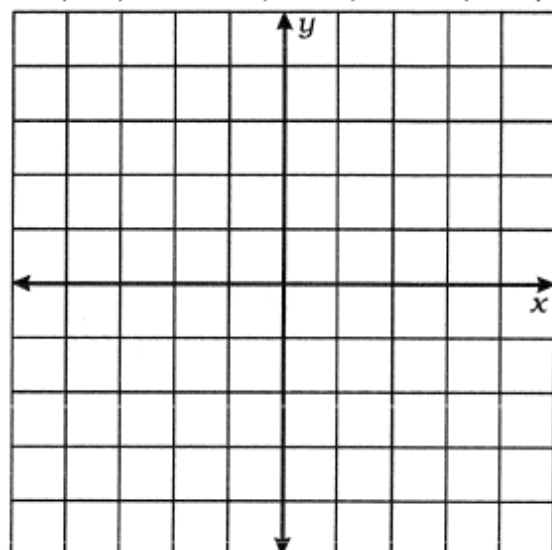
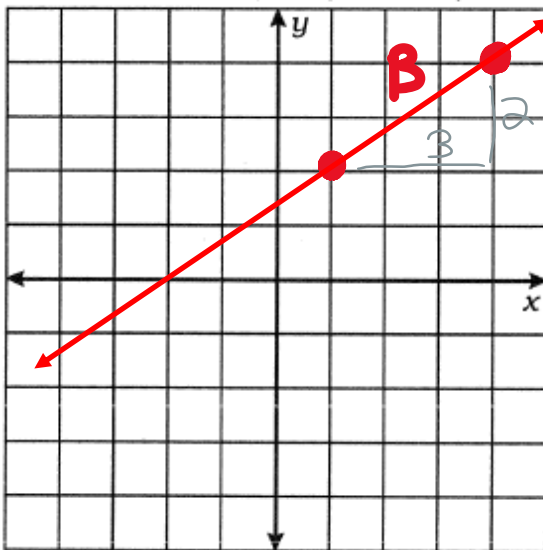
E (2, 0)
(-4, 4)

O (1, -3)
(-3, -4)

I (-1, -3)
(2, 3)

E (-4, 3)
(-2, -1)

O (-3, 0)
(-1, 5)

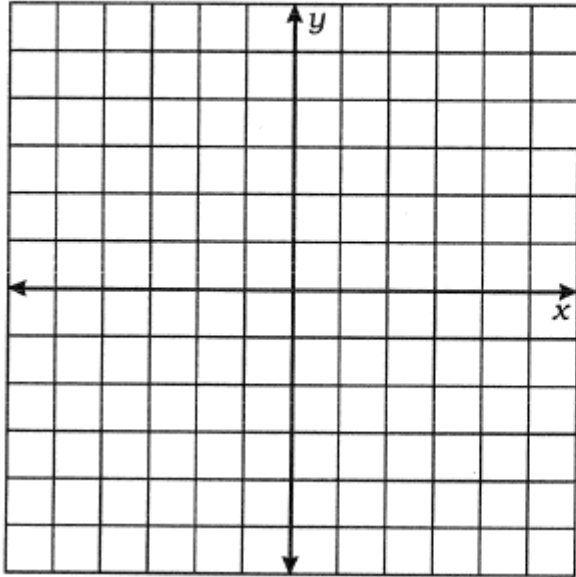


$$\text{SLOPE} = \frac{\text{Rise}}{\text{Run Right}} = \frac{\text{change in } Y}{\text{change in } x} = \frac{\Delta y}{\Delta x}$$

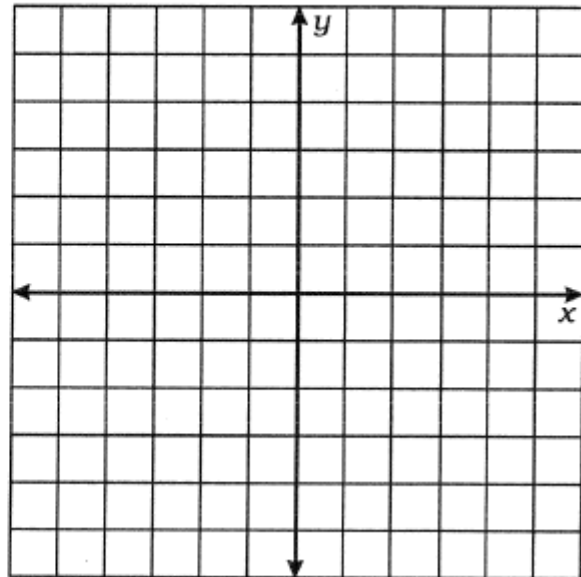
WORK AREA

$$B = \frac{+2}{+3} = \frac{2}{3}$$

E (0, 2)
(5, -1) **D** (5, 6)
(2, -1) **L** (-5, 2)
(0, -3)



D (0, 0)
(2, -6) **G** (4, 5)
(-2, 4) **S** (2, -3)
(-5, -3)



$$\text{SLOPE} = \frac{\text{Rise}}{\text{Run Right}} = \frac{\text{change in } Y}{\text{change in } x} = \frac{\Delta y}{\Delta x}$$

Work Area

$\frac{1}{3}$	-3	2	$-\frac{2}{3}$	0	-2	-1	$-\frac{7}{2}$	$\frac{2}{3}$	$-\frac{3}{5}$	$-\frac{1}{5}$	$\frac{1}{6}$	$\frac{5}{2}$	$\frac{1}{4}$	$\frac{7}{3}$	3
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