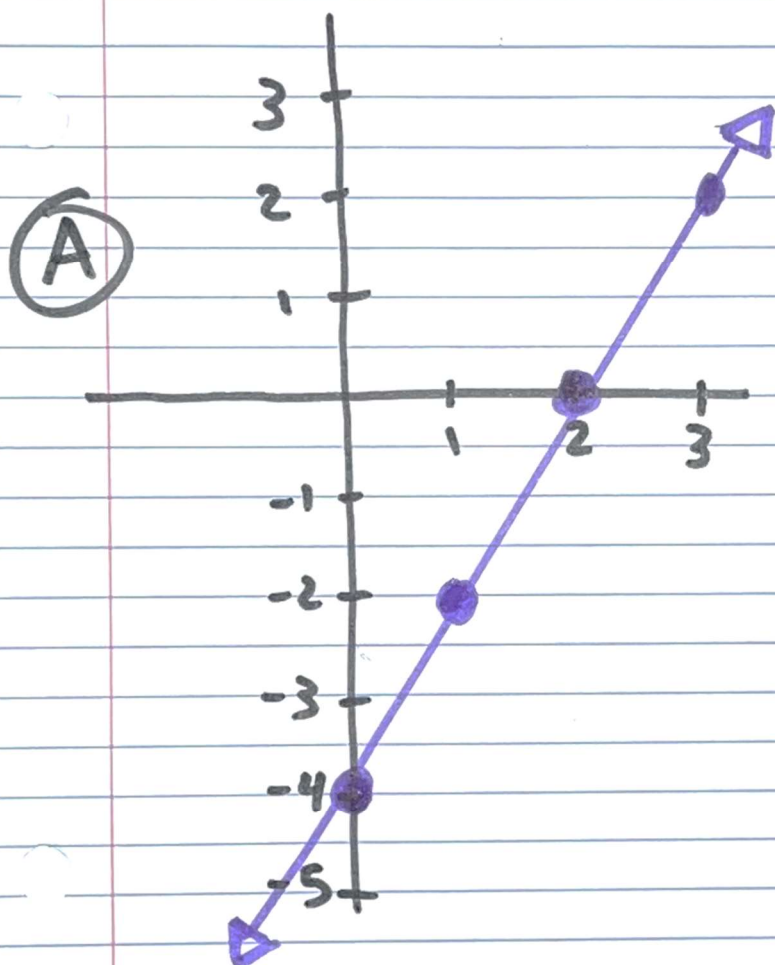


WIN 1-10 → Comparing Rates of Change in Different Forms

Rate of change **means** slope!

Write the rate of change for each of the below!



$$\frac{\text{Rise}}{\text{Run}} = \frac{2}{1} = 2$$

$$\text{Rate of change} = 2$$

Ⓑ

x	y
4	40
8	52
12	64

$$\frac{\text{change in } y}{\text{change in } x} = \frac{12}{4} = 3$$

rate of change = 3

Remember! Do NOT do y/x !

Ⓒ $y = 4x + 20$ rate of change = 4

Easy! Just don't get fooled!

Ⓓ a function that increases by 15 as it moves to the right by 3

$$\frac{\text{Rise}}{\text{Run}} = \frac{15}{3} = 5$$

Rate of change = 5