Name: Answers! Class:

Question 01

The table represents linear Function F.

x	y
4	18
6	24
10	36

Convert to $y=mx+b$!

The equation $y = 4x + 2$ represents Function G.

$y = 4x + 2$

Rate of Change, Initial Value

$y = 3x + 6$

Select all true statements below.

a) Function F has a greater rate of change than Function G.

b) Function G has a greater rate of change than Function F.

c) Function F has a greater initial value than Function G.

d) Function G has a greater initial value than Function F.

Remember!
Rate of change = Slope
Initial Value = y-intercept

Question 02

0 3

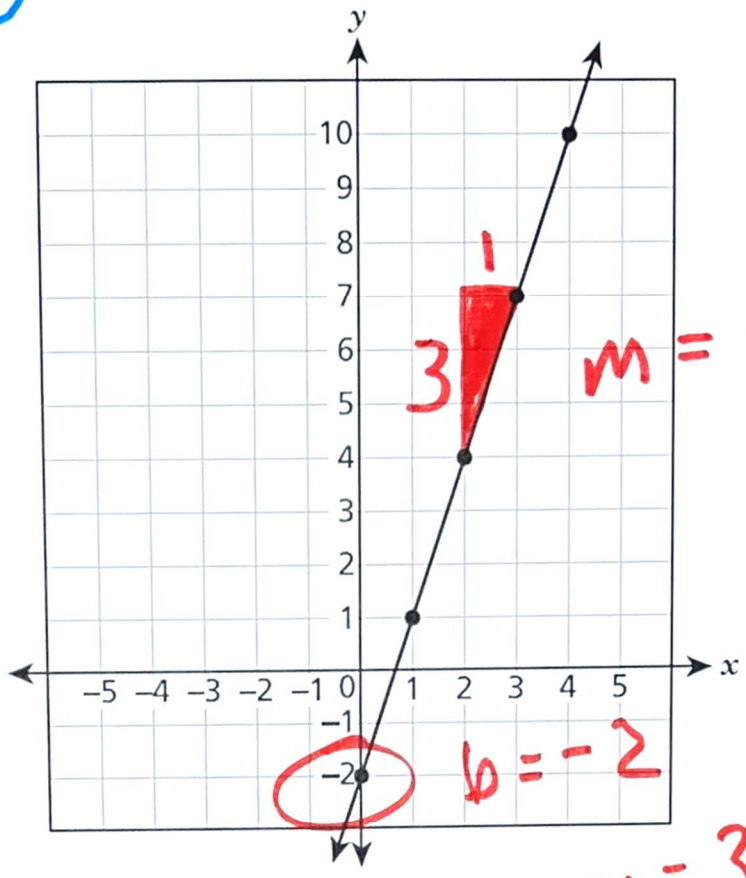
FUNCTION A

x	y
1	5
2	7
3	9
5	13
6	15

+1 +1 +2 +2

$y = 2x + 3$

FUNCTION B



$m = \frac{3}{1} = 3$

$b = -2$

$y = 3x - 2$

Select <u>all</u> true statements below.

a) Function A has a greater rate of change than Function B.

b) Function B has a greater rate of change than Function A.

c) Function A has a greater initial value than Function B.

d) Function B has a greater initial value than Function A.