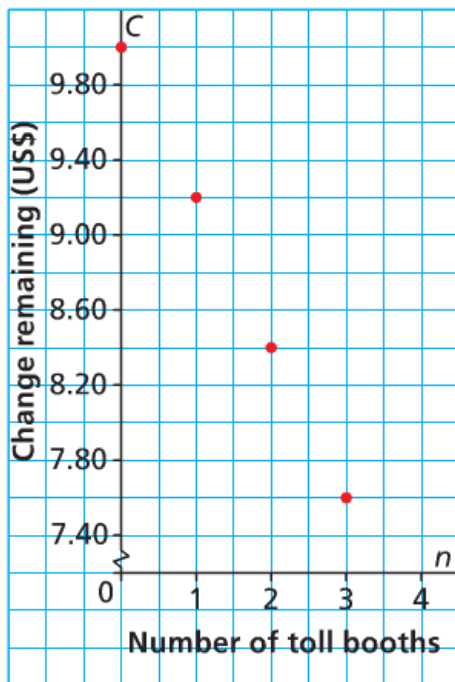


Warm Up Questions

1.

Kashala's Drive on the Toll Highway



- State the domain & range.
- What is the horizontal & vertical intercepts?
- What is the dependent & Independent variables?
- Write the equation to represent this function.

2.

Match each description with the correct equation & ordered pairs

- a) The cost of a cab fair is related to the initial cost plus the cost per kilometer.
- b) The volume of water in a bathtub is related to the amount of time since the plug was pulled.
- c) The amount a person pays is related to their cost per minute.

Equation #1 : $y = -5x + 70$

Equation #2 : $y = 2x + 3$

Equation #3 : $y = 0.75x$

Set A $\{(2, 7), (5, 13), (6, 15), (8, 19)\}$

Set B $\{(5, 3.75), (7, 5.25), (9, 6.25), (10, 7.50)\}$

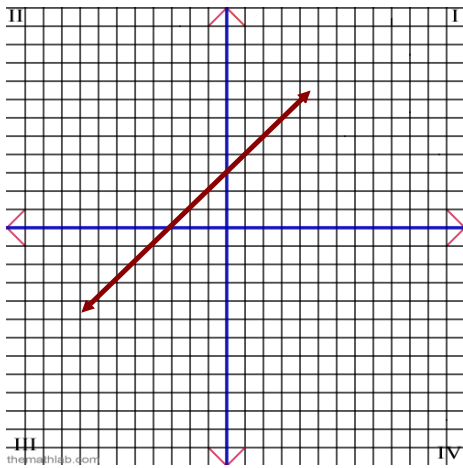
Set C $\{(0, 70), (1, 65), (2, 60), (3, 55)\}$

a) _____
b) _____
c) _____

2
1
3

A
C
B

3.



Rate of Change:

1

Initial Amount:
(Vertical intercept)

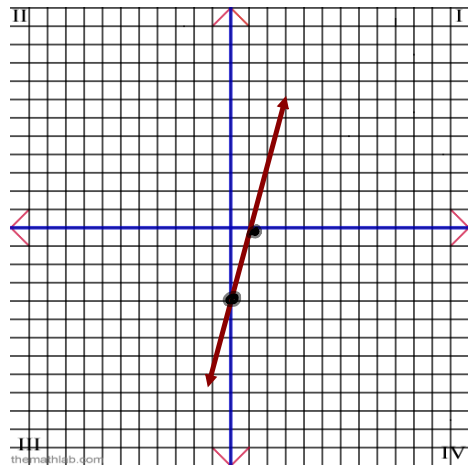
3

Equation:

$y = 1x + 3$

Horizontal-int:

-3



Rate of Change:

$\frac{4}{1} = 4$

Initial Amount:
(Vertical intercept)

-4

Equation:

$y = 4x - 4$

Horizontal-int:

1

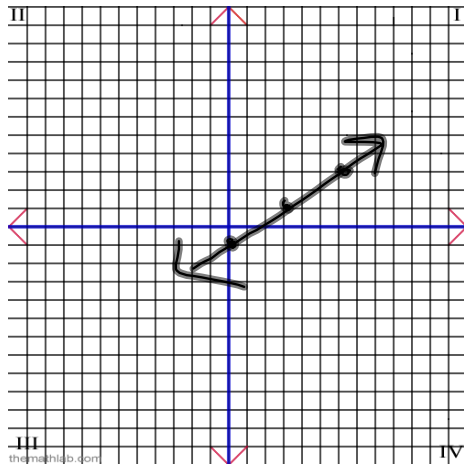
4.

$$y = \frac{2}{3}x - 1$$

Rate of Change: $\frac{2}{3}$

Initial Amount:
(Vertical intercept) -1

Graph:

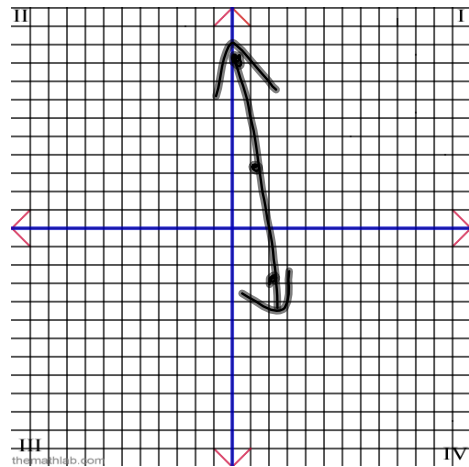


$$y = 9 - 6x$$

Rate of Change: $-6/1$

Initial Amount:
(Vertical intercept) 9

Graph:



2.

Match each description with the correct equation & ordered pairs

- a) The cost of a cab fair is related to the initial cost plus the cost per kilometer.
- b) The volume of water in a bathtub is related to the amount of time since the plug was pulled.
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- a) _____
- b) _____
- c) _____