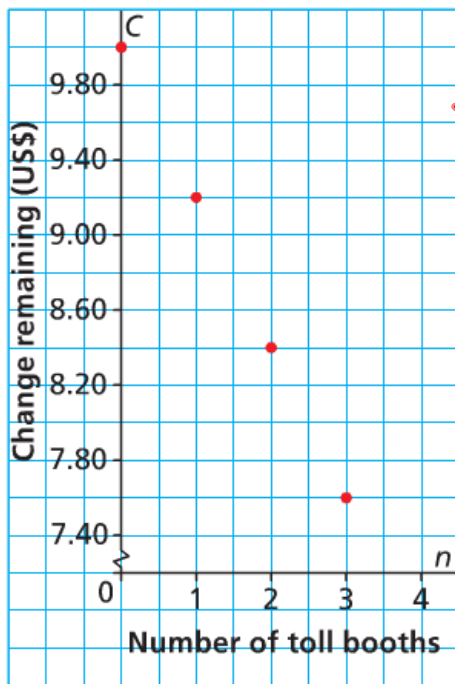


Warm Up Questions

1.

Kashala's Drive on the Toll Highway



Range: $\{y | 10, 9.2, 8.4, 7.6\}$

a) State the domain & range.

Domain: $\{x | 0, 1, 2, 3\}$

b) What is the horizontal & vertical intercepts?

Hor: None Vert: 10

c) What is the dependent & Independent variables?

Dep: Change remaining Indep: # of toll booths

d) Write the equation to represent this function.

$$y = mx + b$$

$$C = -0.8n + 10$$

2.

Match each description with the correct equation & ordered pairs

Test Question

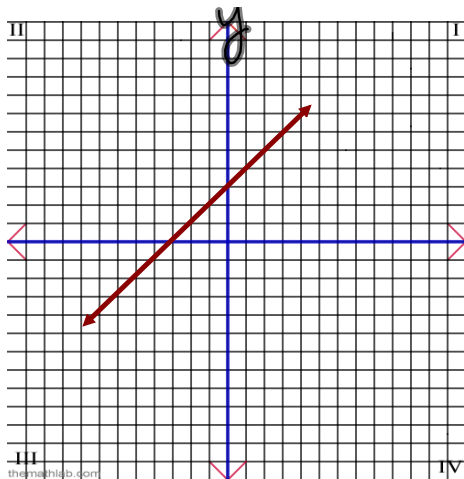
- a) The cost of a cab fair is related to the initial cost plus the cost per kilometer.
- b) The volume of water in a bathtub is related to the amount of time since the plug was pulled.
- c) The amount a person pays is related to their cost per minute.

Equation #1 : $y = -5x + 70$
Equation #2 : $y = 2x + 3$
Equation #3 : $y = 0.75x$

- Set A ^{x y} $\{(2, 7), (5, 13), (6, 15), (8, 19)\}$
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) 2 A
b) 1 C
c) 3 B

3.

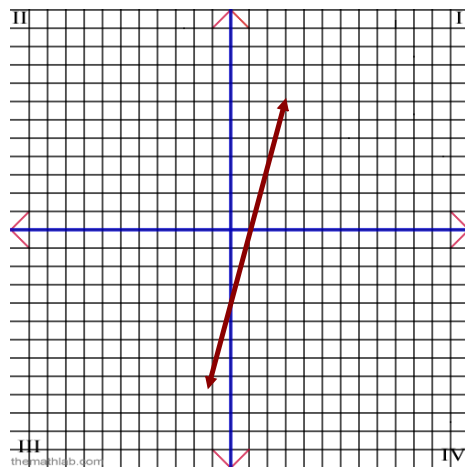


Rate of Change: 1

Initial Amount:
(Vertical intercept) 3
 $y = mx + b$

Equation: $y = 1x + 3$

Horizontal-int: -3



Rate of Change: 4

Initial Amount:
(Vertical intercept) -4
 $y = mx + b$

Equation: $y = 4x - 4$

Horizontal-int: 1

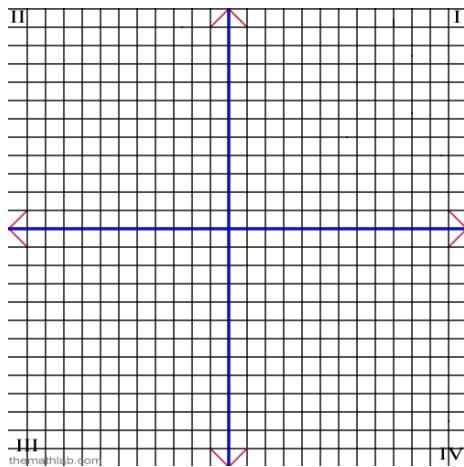
4.

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

Rate of Change: _____

Initial Amount:
(Vertical intercept) _____

Graph:



$$y = 9 - 6x$$

Rate of Change: _____

Initial Amount:
(Vertical intercept) _____

Graph:

