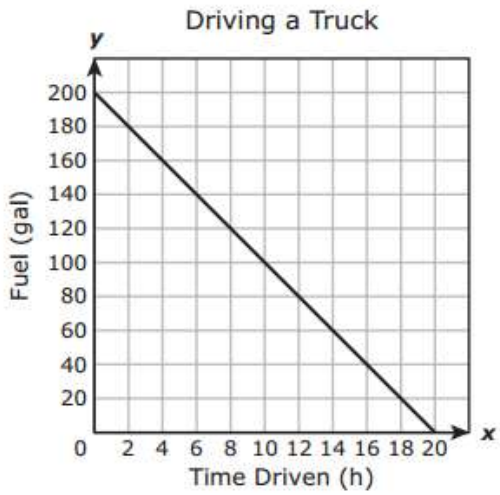
Name _____Date ___/____/____ Period _____

Identifying Slope, Y-intercept, X-intercept in Mathematical and Contextual Problems



$f(8) =$ ___

$f(\ ) = 100$

m: ——— = _____ gal/hr

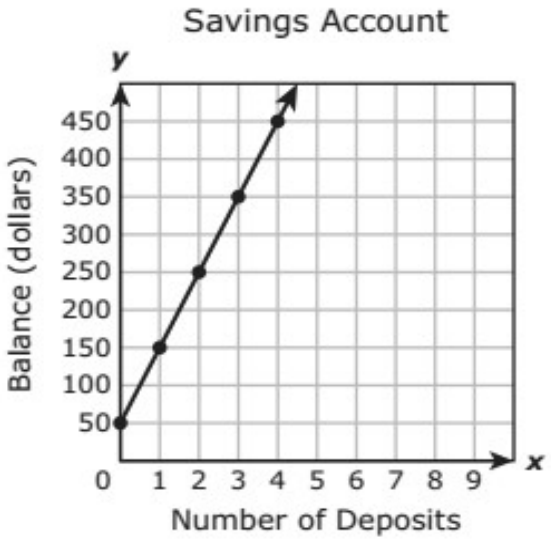
_____ a _____

y-int: ____ (,)
x-int: ____ (,)

f(x) = _____

Domain: _____ $\leq x \leq$ ____
Range: ____ $\leq y \leq$ _____
Linear function Y or N
Causation or Association

hr	gal



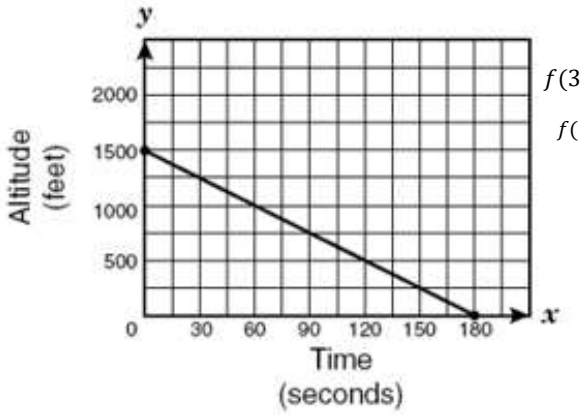
m: ——— = _____ balance/deposit

_____ each _____

y-int: ____ (,)
~~x-int: ____ (,)~~

f(x) = _____
Domain: _____ $\leq x \leq$ ____
Range: ____ $\leq y \leq$ _____
Causation or Association

Dep	$



$f(30) =$ ___

$f(\ ) = 750$

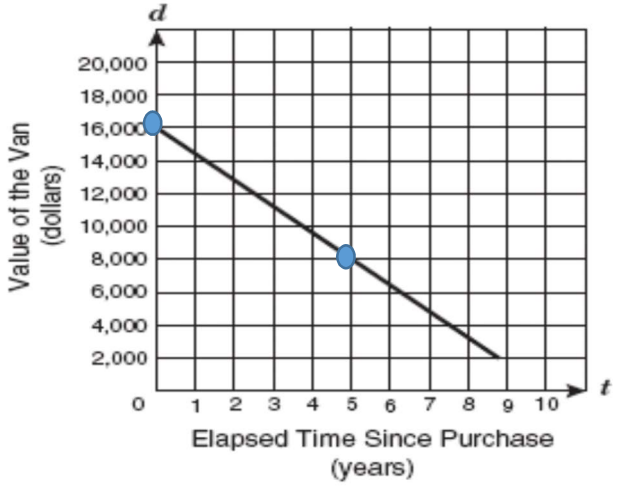
m: ——— = _____ ft/sec

_____ per _____

y-int: ____ (,)
x-int: ____ (,)

f(x) = _____
Domain: _____ $\leq x \leq$ ____
Range: ____ $\leq y \leq$ _____
Causation or Association

sec	ft

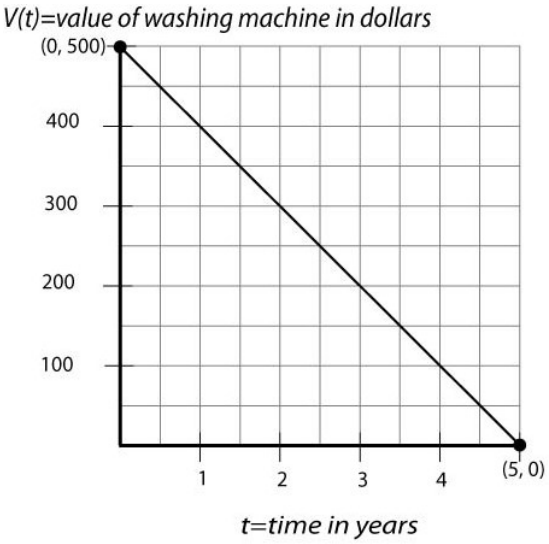


$\frac{\Delta y}{\Delta x}$: ——— = _____ value/yr

_____ every _____

y-int: ____ (,)
x-int: ____ (,)
f(x) = _____
Causation or Association

yr	$



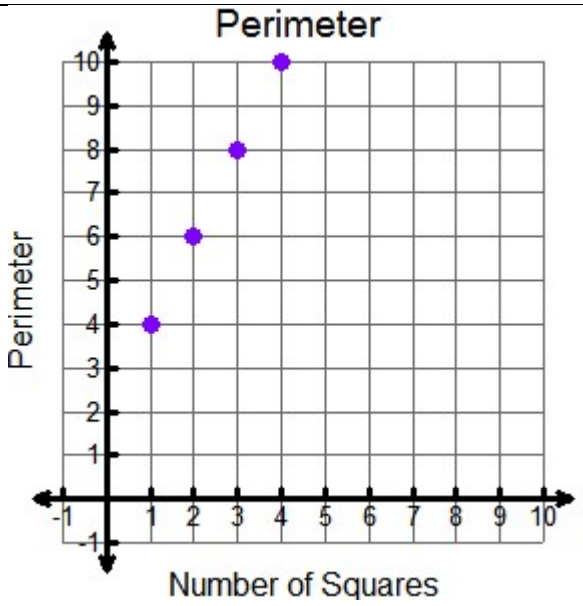
m: ——————— = _____ ft/sec

_____ per _____

y-int: ____ (,)
x-int: ____ (,)

f(x) = _____
Domain: _____ $\leq x \leq$ ____
Range: ____ $\leq y \leq$ _____
Causation or Association

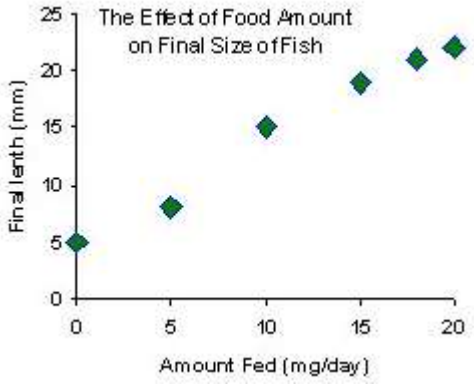
sec	ft



$\frac{\Delta y}{\Delta x}$: ——————— = _____ value/yr

_____ every _____
y-int: ____ (,)
x-int: ____ (,)
f(x) = _____
Causation or Association

sec	ft

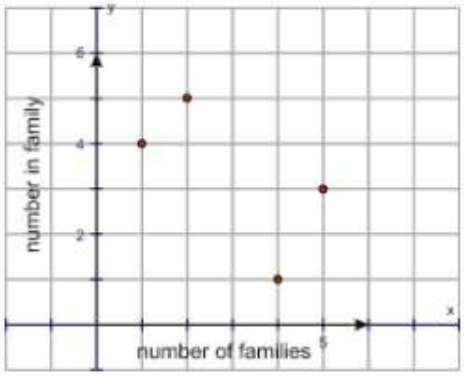


m: ———————

_____ per _____
y-int: ____ (,)
x-int: ____ (,)

f(x) = _____
Domain: _____
Range: _____
Causation or Association

fed	mm

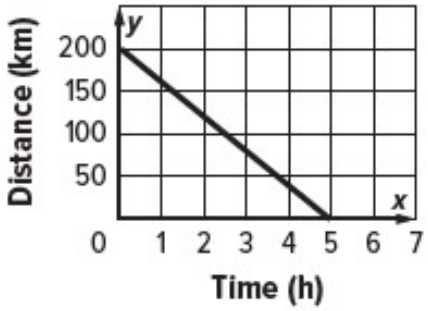


m: ———————

_____ per _____
y-int: ____ (,)
x-int: ____ (,)

f(x) = _____
Domain: _____ $\leq x \leq$ ____
Range: ____ $\leq y \leq$ _____
Causation or Association

fam	ft



slope: ——————— = _____ hr/km

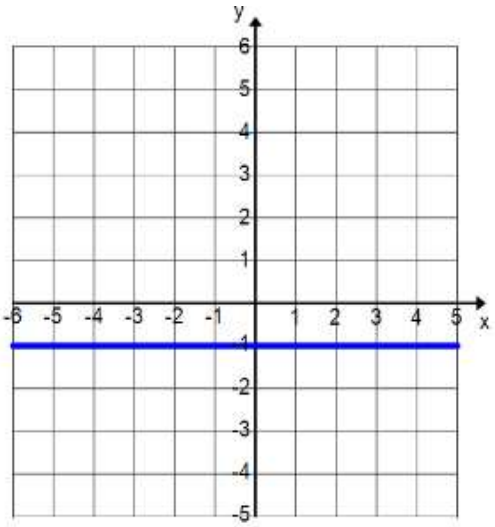
_____ per _____

y-int: ____ (,)
zero: ____ (,)

f(x) = _____

Domain: _____ $\leq x \leq$ ____
Range: ____ $\leq y \leq$ _____

Hr	Km



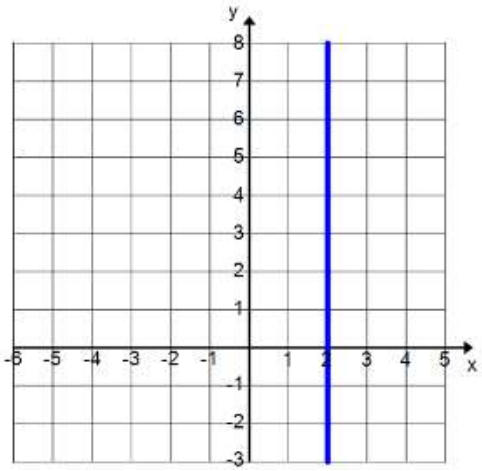
m: _____

y-int: ____ (,)

~~x-int: ____ (,)~~

f(x) = _____

x	y



m: _____

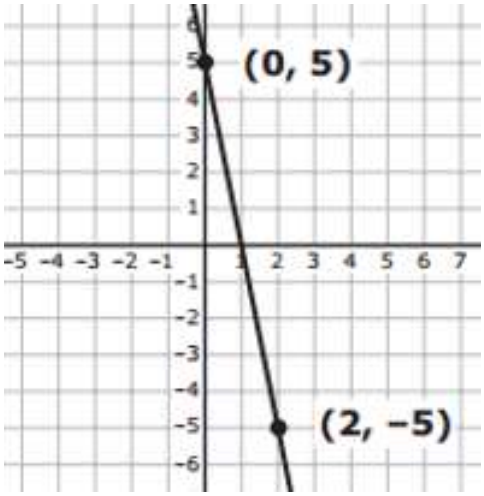
~~y-int: ____ (,)~~

x-int: ____ (,)

x = _____

Domain:
Range:

x	y



m: _____

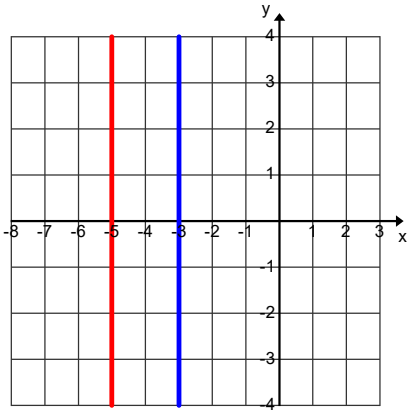
y-int: ____ (,)

x-int: ____ (,)

f(x) = _____

Domain: _____ $\leq x \leq$ ____
Range: ____ $\leq y \leq$ _____

x	y



m: _____

y-int: __
(,)

y = _____

x	y

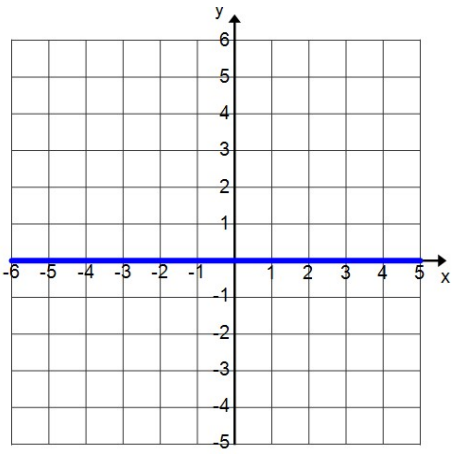
m: _____

y-int: ___
(,)

y = _____

x	y

Domain:
Range:



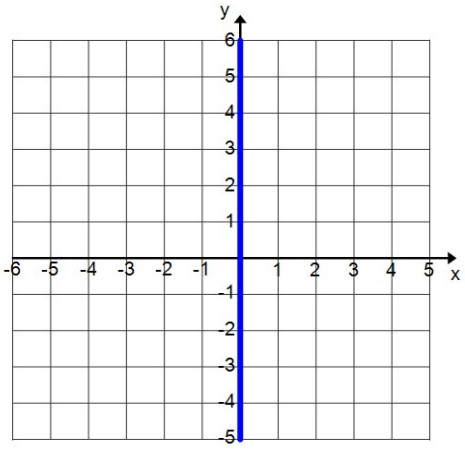
m: _____

y-int: ___
(,)

y = _____

x	y

Domain:
Range:



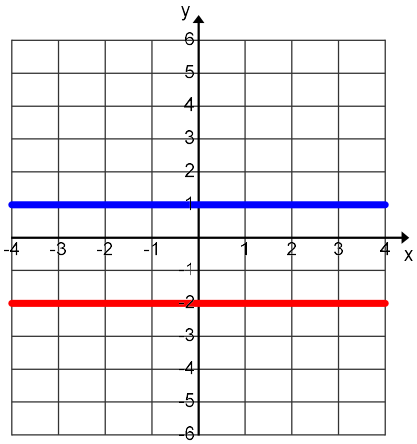
m: _____

x-int: __
(,)

x = _____

x	y

Domain:
Range:



m: _____

y-int: __
(,)

y = _____

x	y

m: _____

y-int: __
(,)

y = _____

x	y

Domain:
Range:

Videos

Playing Time, x (min)	File Size, y (MB)
0.5	60
1.5	180
2	240
4.5	540
5	600

m: _____ _____ per _____

y-int: ____ (,)

r: _____ f(x) = _____

Time, t (hours)	Distance, d (miles)
0	400
0.75	362.5
1.5	325

m: _____ _____ per _____

y-int: ____ (,)

r: _____ f(x) = _____

Number of Plates	Total Weight (lb)
2	115
4	185
6	255
8	325

m: _____ _____ per _____

y-int: ____ (,)

r: _____ f(x) = _____

Restaurant Dishwasher

Number of Times Used	Total Number of Dishes Washed
2	52
4	104
6	156
8	208

m: _____ _____ per _____

y-int: ____ (,)

r: _____ f(x) = _____

x	−7.5	−3.5	−1	2	3.5
y	12	0	−7.5	−16.5	−21

m: _____ _____ per _____

y-int: ____ (,)

r: _____ f(x) = _____

This has no constant rate of change

Height (in.)	41	70	21	34	10	92	54	24	10	35	42	66
Length (in.)	21	25	32	12	16	45	40	23	45	35	21	14

m: _____ _____ per _____

y-int: ____ (,)

r: _____ f(x) = _____