

HW Solutions

35

$$\frac{4}{15} = \frac{x}{6}$$

$$\frac{15x = 24}{15} \quad \frac{24}{15}$$

$$x = 1.6$$

1.602

①

$$\begin{array}{r} 3 \\ \hline 51 \\ \hline \end{array} - \begin{array}{r} 5 \\ \hline 11 \\ \hline \end{array}$$

$$\frac{3x}{3} = \frac{25}{3}$$

$$x = 8.333\bar{3}$$

\$8.33

34

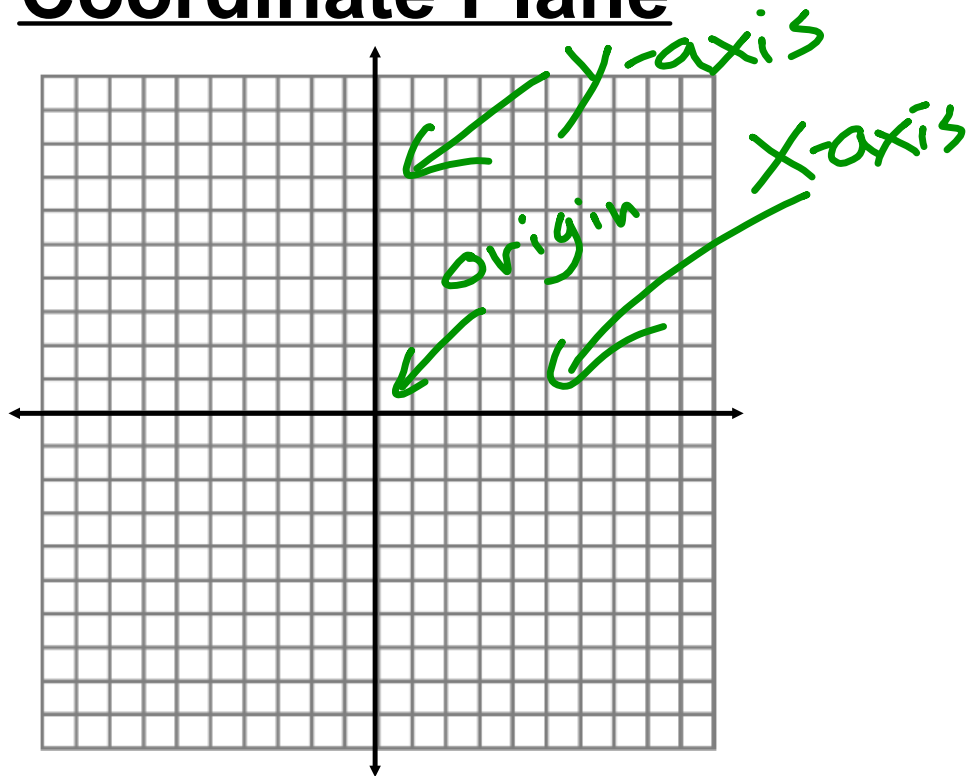
$$\frac{7}{164.50} = \frac{x}{94}$$

$$\frac{164.5x = 658}{164.5 \quad 164.5}$$

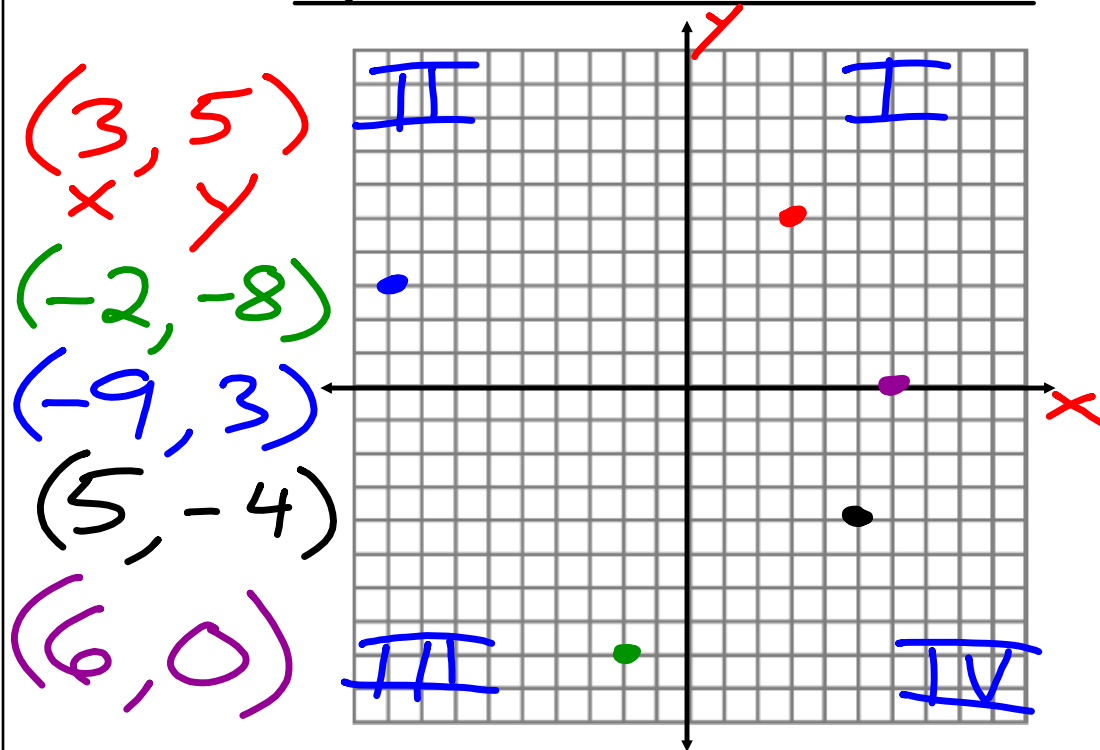
$$x = 4$$

4 tickets

Coordinate Plane

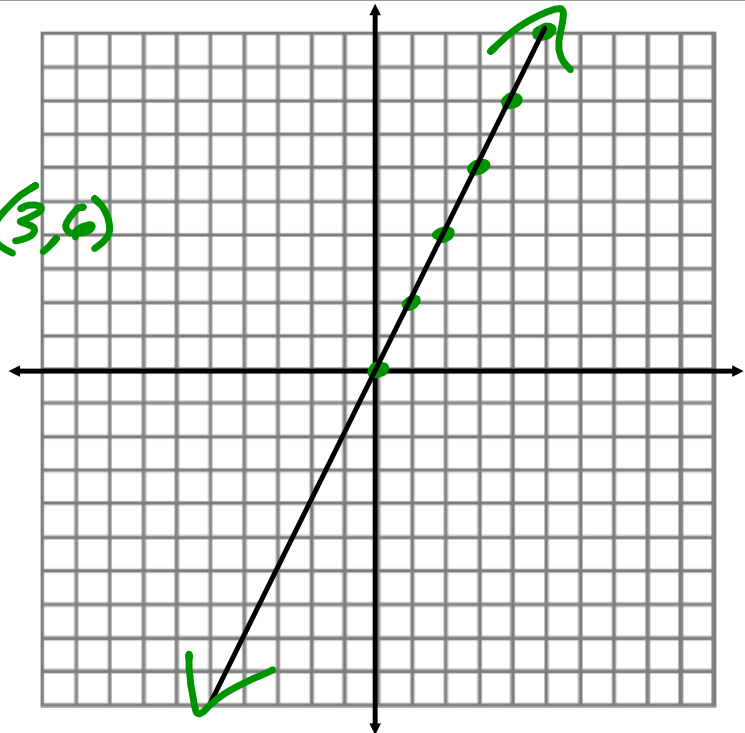


Quadrants & Points



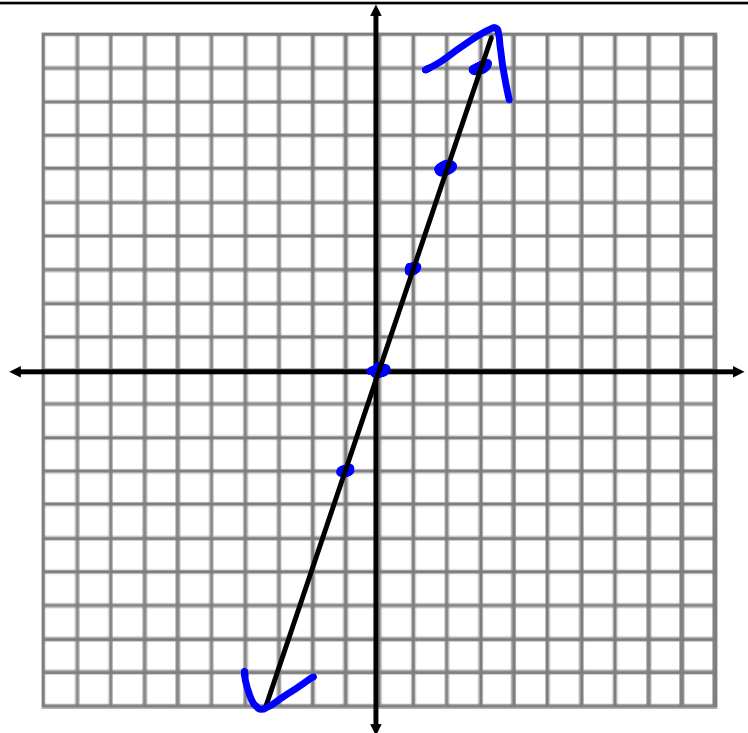
$$y = 2x$$

X	2x	Y
0	2(0)	0
1	2(1)	2
2	2(2)	4
3	2(3)	6
4	2(4)	8
5	2(5)	10



$$y = 3x$$

x	3x	y
-4	(-4)	-12
-3	(-3)	-9
-2	(-2)	-6
-1	(-1)	-3
0	(0)	0
1	(1)	3
2	(2)	6
3	(3)	9
4	(4)	12

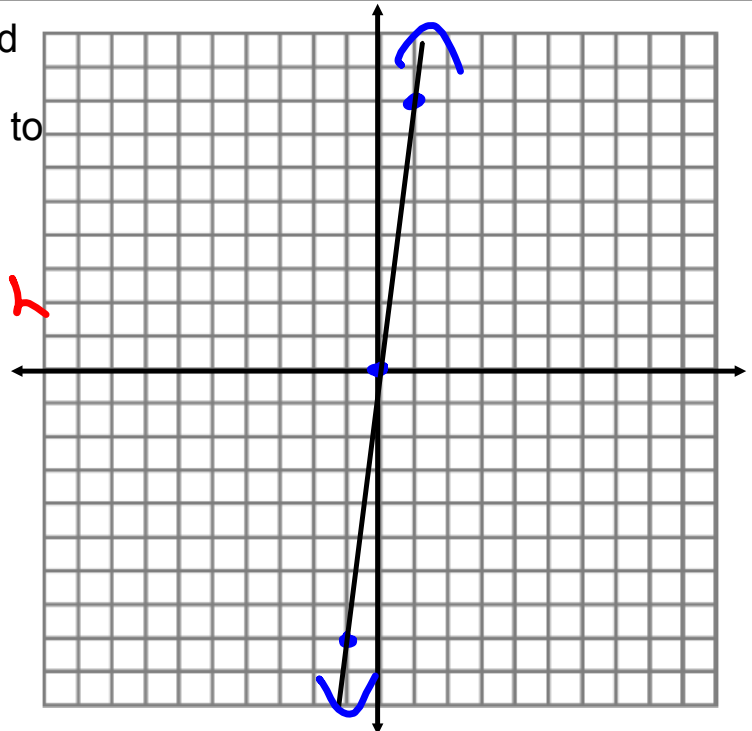


Michelle makes \$8/h. Write and graph a function that compares the number of hours she works to the money she makes.

$$y = 8x$$

\uparrow total \$ \uparrow # of h

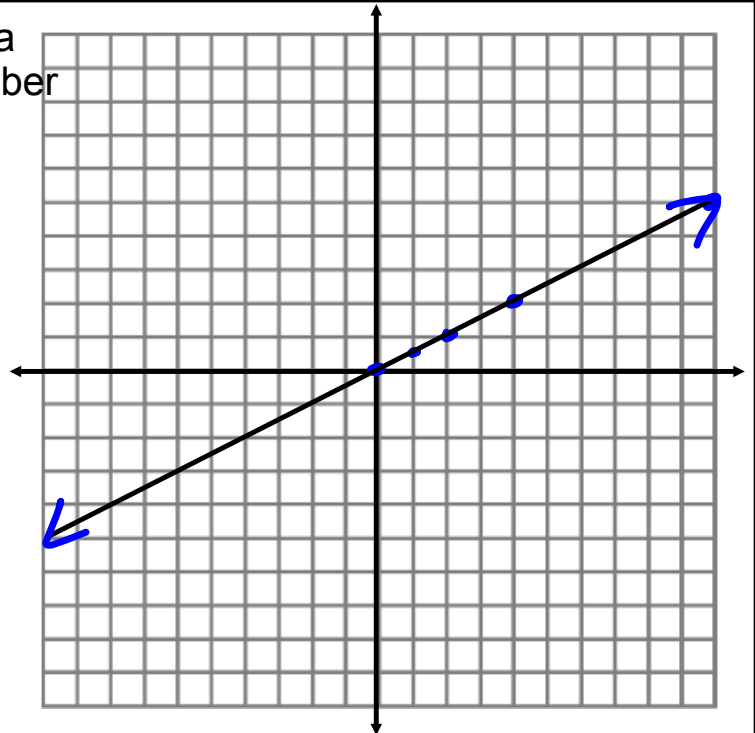
x	8x	y
1	8(1)	8
0	8(0)	0
-1	8(-1)	-8



Apples cost \$0.50 each. Write a function that compares the number of apples purchased to the total cost.

$$y = 0.50x$$

x	0.5x	y
1	0.5(1)	0.5
0	0.5(0)	0
10	0.5(10)	5
2	0.5(2)	1
4	0.5(4)	2



Write and graph functions for the following situations.

1) Cheddar cheese costs \$4/lb.

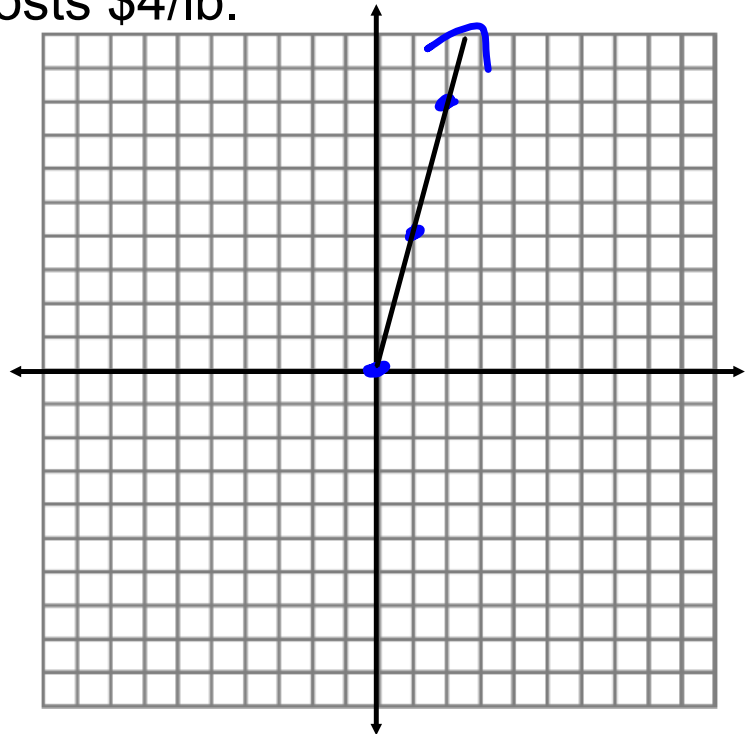
2) Elise runs 1.5mi per day.

3) Jack is running at a speed of 4.2m/s.

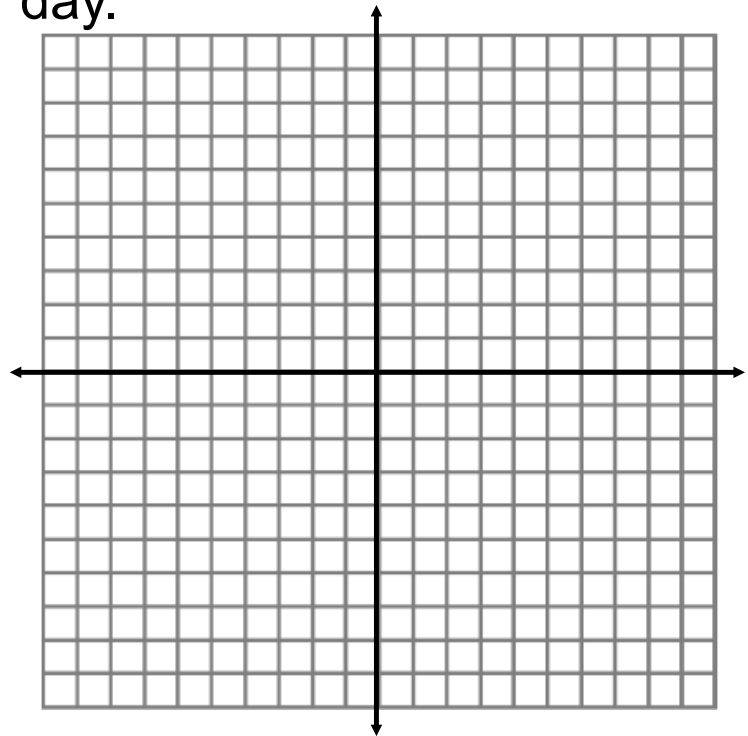
1) Cheddar cheese costs \$4/lb.

$$y = 4x$$

x	y
0	0
1	4
2	8



2) Elise runs 1.5mi per day.



3) Jack is running at a speed of 4.2m/s .

