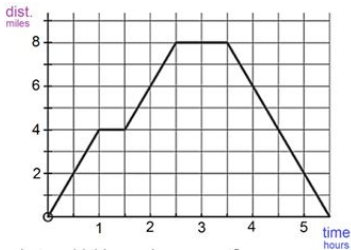


Name: _____

Homework – Monday (February 18, 2019)

Solve the following problems **without a calculator**. You **MUST** show your work. **NO WORK = NO CREDIT**.

1. The graph shows the distance of a car from home as a function of time. Describe what a person watching the car may be seeing.



2. The equation of Function A is $y = 5/3x + 4$. Function B contains the points in the table below. Which function has a smaller slope?

x	y
6	12
11	19

3. Write the linear equation of the table.

x	y
-4	-5
4	1
8	4

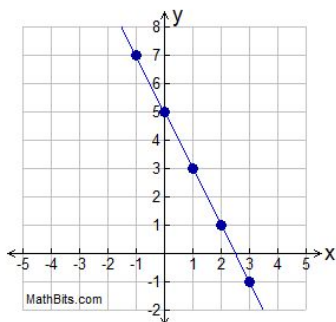
4. Budget car rental charges \$12.99 to rent a car for the weekend and \$0.49 per mile driven. The total cost of renting a car for a certain number of miles at Fox Rental Company is shown in the table. Which company has a cheaper flat rate?

x	y
0	15.99
15	22.74

Homework- Tuesday (February 19, 2019)

Solve the following problems **without a calculator**. You **MUST** show your work. **NO WORK = NO CREDIT**.

1. Write the equation of the line.



2. A car rental company charges a daily fee, plus an additional fee for each mile driven. Tyree rented a car, drove 100 miles, and was charged \$48.00. Jen rented a car from a different company that uses the equation $y=0.25x+25$ to determine the cost, y , to rent a car for a day after x miles driven. Who paid more money per mile and by how much?

3. The equation of Function A is $y = 3x - 18$. Function B contains the points in the table below. Which function has a larger y-intercept?

x	y
-3	-19
3	-17
9	-15

4. Elena and Lin are training for a race. Elena runs her mile a constant speed of 7.5 miles per hour. Lin's times are recorded every minute:

time (minutes)	1	2	3	4	5	6	7	8	9
distance (miles)	0.11	0.21	0.32	0.41	0.53	0.62	0.73	0.85	1

Who finished their mile first?

Homework - Wednesday (February 20, 2019)

Solve the following problems **without a calculator**. You *MUST* show your work. ***NO WORK = NO CREDIT.***

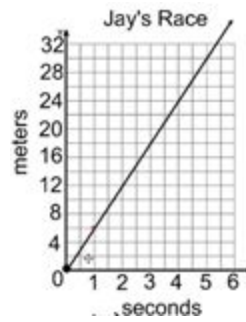
1. Which function has the greatest slope? Explain.

Function 1: $y = x + 2$

Function 2:

x	-2	0	2
y	-6	-3	0

2. Who ran at a faster pace?



Seconds	Meters
0	4
1	9
2	14
3	19
4	24
5	29

Nathan's Race

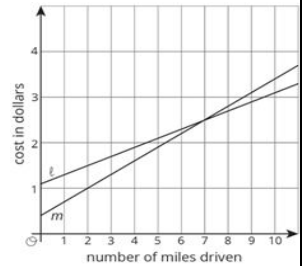
3. Tom's Lawn Maintenance company charges a flat fee of \$20 for a service call, plus \$9.50 per hour to cut grass. Rachel's Lawn Maintenance company uses the table below to determine the total cost of cutting grass. Which company charges more per hour to cut grass?

Rachel's Lawn Maintenance	
Number of Hours (x)	Total Cost (y)
1	\$27.50
3	\$47.50
5	\$67.50
7	\$87.50

4. Two car services offer to pick you up and take you to your destination. Service A charges 40 cents to pick you up and 30 cents for each mile of your trip. Service B charges \$1.10 to pick you up and charges c cents for each mile of your trip.

a. Match the services to lines ℓ and m .

b. How many miles does each service have to drive in order to cost the same?



Homework - Thursday (February 21, 2019)

Solve the following problems **without a calculator**. You *MUST* show your work. ***NO WORK = NO CREDIT.***

1. Convert to a fraction.

a. .08

b. $\overline{.3}$

c. $\overline{.15}$

2. Express $\frac{4}{9}$ as a decimal. Show your work.

3. Solve. Write the answer in lowest terms.

$\overline{.6} \div \frac{1}{5}$

4. Solve. Write the answer in lowest terms.

$\overline{.18} \times \frac{1}{3}$

