Name: DMR – Q4.1

1 – No Calc

Solve for m:

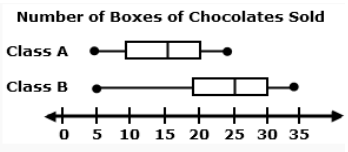
$$-\frac{2}{9}m + 12 = -8$$

At a local gym a random sample of 85 members took a survey of their favorite form of exercise.

Type	Number of Members
Bicycling	21
Yoga	19
Running	28
Weights	17

If there are 450 people who have a gym membership, based on the results of the survey, what is the most reasonable estimate for the number of gym members who would prefer yoga?

The number of boxes of chocolates sold by each student in two classes for a fundraiser is summarized by the box plots.



Which Inference about the boxes of chocolate sold is valid based on the samples given?

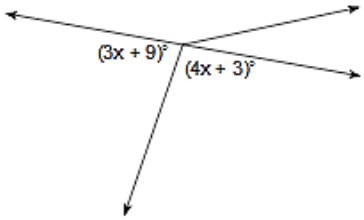
A.) The median of both classes was close to 25.
B.) The total boxes sold by both classes vary about the same amount.
C.) Class B sold fewer boxes than Class A.
D.) .Class B sold more boxes than Class A.

2-Calc

A random sample of 60 marbles was removed from a bag. They included 14 black, 20 red, 16 green, and 10 blue. Based on the experimental results, determine the probability of removing each color marble from the bag.

	$\frac{4}{15}$	$\frac{7}{30}$	$0.\overline{3}$	$0.1\overline{6}$
black				
red				
green				
blue				

Find the value of x.



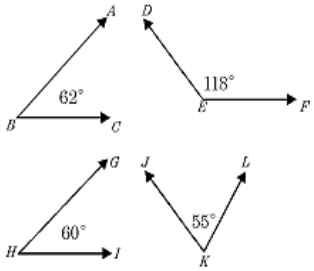
Select all of the expressions that are equivalent to

$$\frac{4}{5}(10x + 15) - \frac{1}{2}(8x - 16)$$

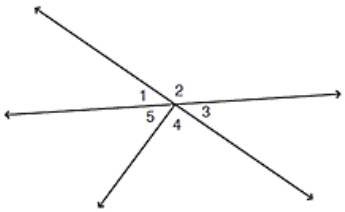
A.) $4x + 4$
B.) $24x$
C.) $4x + 20$
D.) $4(x + 1)$
E.) $4(x + 5)$

3-No Calc

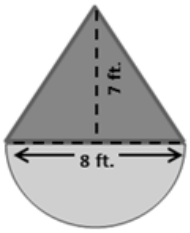
Which $\angle's$ are supplementary?



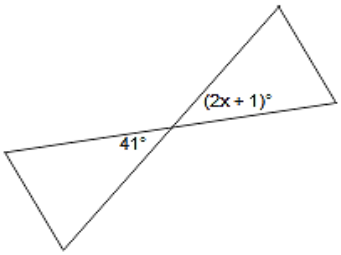
Which $\angle's$ are vertical?



Find the total area of the figure:

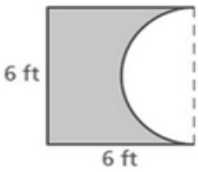


Find the value of x.



4-Calc

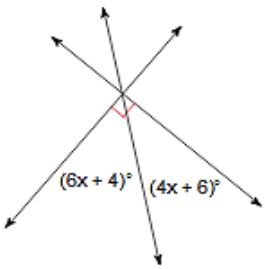
What is the area of the shaded region?



Terry conducted an experiment where she dropped 6 pencils at the same time. She recorded the number of pencils that were touching when they landed. She would then pick them up & repeat the experiment. After doing this 70 times, she concluded that it was more likely than not that at least two pencils would be touching when they landed. She also observed that sometimes no pencils were touching. Which nest represents the probability that 2 pencils will be touching when they land?

A.) $\frac{1}{2}$ B.) $\frac{1}{4}$ C.) 1 D.) $\frac{3}{4}$

Find the value of x.



<u>Daily Math review Expectations</u>

1. Complete all problems each day.
2. Do your original work using a pencil at the beginning of class.
3. Make corrections using a pen, colored pencil, or marker during our whole class discussion.
4. If you are absent, you are still responsible for completing all of the problems.
5. Turn this in each Friday for a grade out of 12 points for accuracy.

Grade:_____/12