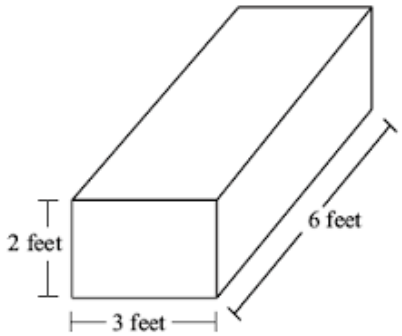
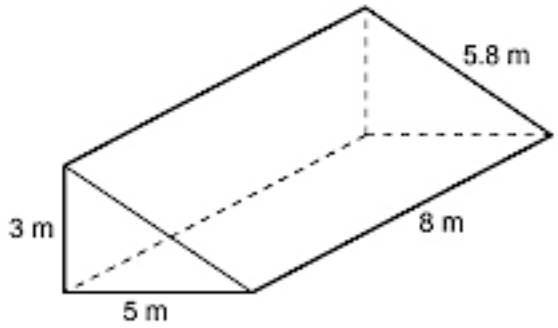
T4-10 Number _____ Name _____ Period _____ Score _____

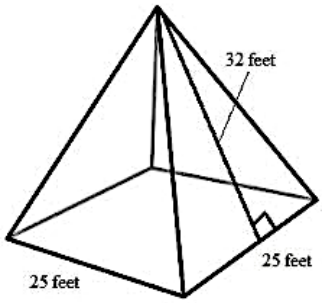
1) Find the surface area of this shape:



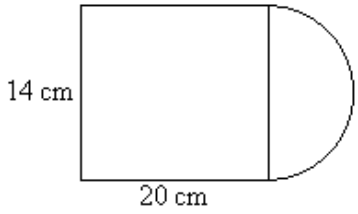
2) Find the surface area of this shape:



3) Find the surface area of this shape:



4) Find the area of this figure:



In 6th grade you learned how to find the MAD (the mean absolute deviation). It was kind of hard, so we are going to walk through this one together to remind you what you learned in 6th grade. ☺

5) Find the mean of the data below:

2, 5, 8, 10, 22, 45, 3, 8, 10, 9

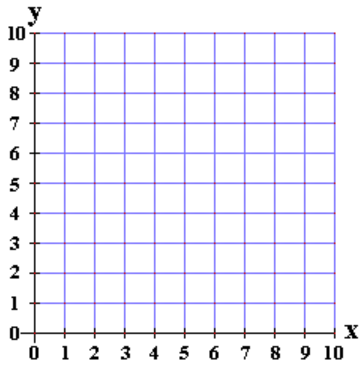
Mean: _____

6) Now, find the distance from each value to the mean. This means you are going to subtract (big minus small) each value in the data from the mean. I've set up a table for you. Put the mean in the blanks and put your answer in the third column.

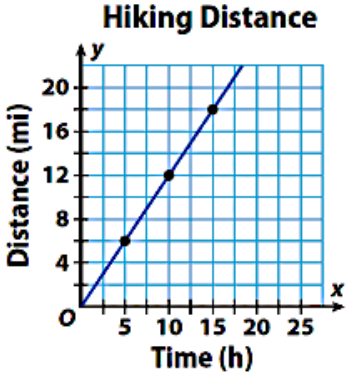
2	_____ - 2	
5	_____ - 5	
8	_____ - 8	
10	_____ - 10	
22	22 - _____	
45	22 - _____	
3	____ - 3	
8	____ - 8	
10	____ - 10	
9	____ - 9	

7) Now, find the mean of the third column. This mean is the MAD of the data. ☺

8) Draw a graph that has a constant of proportionality of 2.5.



9) What is the equation of this graph?



10) How do you know if a table shows a proportional relationship?