

Study Session for Last Test of the Year

① Evaluate using $a=10$ $b=-5$ $c=2$

a) abc

b) $\frac{ab}{2c}$

c) $\frac{(bc)^2}{2a}$

② Measures of Central Tendency:

Below are the results of a survey of how many pets students have.

Number of Pets	Frequency (Number of students with that number)
0	3
1	5
2	5
3	4
4	2
5	2
6	0
7	3
8	0
9	1

Mean _____ Median _____ Mode _____ Range _____

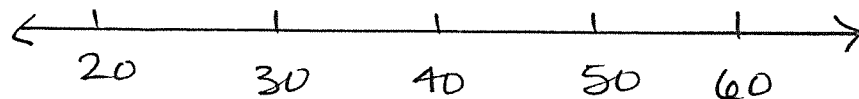
If one student joined the class and the new mean was _____, how many pets ~~the~~ did the new student have?

③ Common Measurements:

- a) How many inches in 9 feet? _____
- b) How many feet in 100 miles? _____
- c) How many ounces in 6 tons? _____
- d) How many quarts in 9 gallons? _____
- e) How many cups in 48 fluid ounces? _____
- f) How many hours in 3 days? _____
- g) In what century is 789? _____
- h) When does water boil in Fahrenheit? _____

④ Use the following data set to make a box plot:

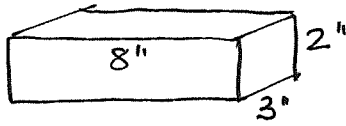
25, 28, 32, 40, 49, 49, 50, 52, 53



Median _____ Lower Quartile _____ Upper Quartile _____

IQR _____

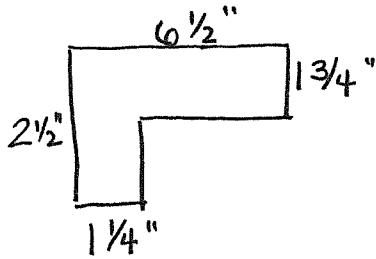
⑤ Find the Volume & Surface Area of the Prism below.



$$V = \underline{\hspace{2cm}}$$

$$SA = \underline{\hspace{2cm}}$$

⑥ Find the area and perimeter of the shape below:



$$A =$$

$$P =$$