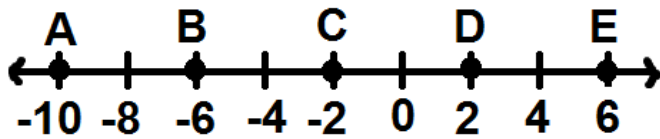


**6th Review #85 – MUST SHOW WORK
FOR EACH PROBLEM **USE
CALCULATORS****

1. Which of the following letter on the number line would have the greatest absolute value? (*Show how you found the greatest absolute value*)



2. Identify each number sentence in which $m = 8$.

$\frac{m}{16} = 2$	$1 + m = 7$
$\frac{m}{2} = 4$	$3m = 24$
$m - 3 = 5$	$m + 7 = 15$
$2m = 4$	$m - 6 = 14$

3. Look at the table.

x	y
3	11
4	13
5	15
6	

Which value is missing in the table?

- A 17
B 16
C 15
D 19

Name _____

4. The carpenter needs to paint the front window to make it look like stained glass. The triangular window has an area of 12 ft^2 . Which of the following numbers could be the base and the height of the window? (*Draw the shape; Write the formula; use it to solve*)

6 ft **5 ft** **2 ft** **8 ft** **3 ft** **4 ft**

5. Mr. Martin is putting a border around the edge of a rectangular ceiling. The perimeter of the ceiling is 18 meters. Circle the measurements that could be the 2 dimensions of the ceiling. (*Draw shape; write the formula; use formula to solve*)

2 m **3 m** **4 m** **5 m** **8 m** **9 m**

6. Which of the following is true? (*Show how you compared and ordered*)

- A $\frac{1}{4} < 0.7 < 75\% < 0.087$
B $75\% < 0.7 < \frac{1}{4} < 0.087$
C $0.087 < \frac{1}{4} < 0.7 < 75\%$
D $0.7 < \frac{1}{4} < 0.087 < 75\%$

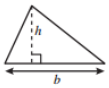
Adv. Review #85 (7th grade SOLs)
SHOW HOW YOU SOLVED EACH PROBLEM – NO CALCULATORS!

7. Solve.

$$(-10)^2$$

8. How much area is shown in the shaded region?

Geometric Formulas

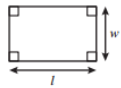


$$A = \frac{1}{2}bh$$



$$p = 4s$$

$$A = s^2$$



$$p = 2l + 2w$$

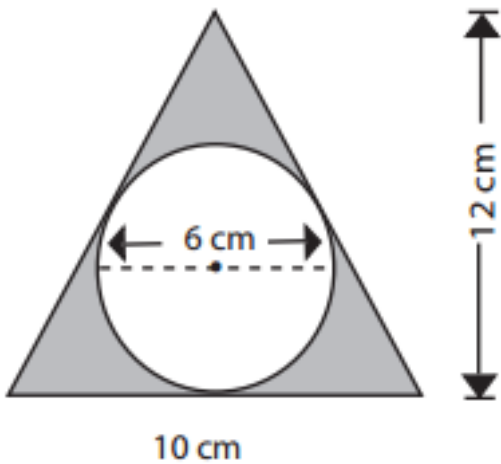
$$A = lw$$



$$C = 2\pi r$$

$$C = \pi d$$

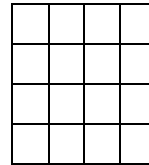
$$A = \pi r^2$$



9. Model the following expression with counter chips (+, -); then solve.

$$-2 + -9$$

10. Which of the following represents the side length of the squares?



- A $\sqrt{4}$
- B $\sqrt{16}$
- C 16
- D 6