<u>6th Review #88</u> – MUST SHOW WORK FOR EACH PROBLEM ***Use Calculators**

Name_____

1. Brandy wanted to trim the round rim of her new hat with ribbon. The rim has a radius of 6.5 inches. How much ribbon will she need to trim her hat? *(Draw the shape; write the formula; use formula to solve)*

2. What decimal would represent the shaded portion of the picture below? *(Show how you found the percent & decimal)*

A 0.03

B 0.35

C 0.6

D 0.06

3. Which is a solution to the following?

$$4 < x + 7$$

A -3

B -2

C -4

D -5

4. Find the quotient: $4\ ^{1}/_{3} \div 1\ ^{3}/_{4}$ *(Show work)*

5. What is the product of $^{7}/_{3}$ and $^{3}/_{13}$?

A $^{7}/_{13}$ B $^{7}/_{20}$

C $^{13}/_{20}$ D $^{3}/_{10}$

6. Phillip bought 3 shirts at Sears and Craig bought 4 shirts at Belk's. How much more money did Craig spend than Jarod for their total purchases? *(Show how you found the difference in purchases)*

Prices for Shirts		
Store	Sears	Belk's
Cost per shirt	$12.99	$11.59

A $7.39 C $24.58

B $1.40 D $25.9

<u>Adv. Review #88</u> (7th grade SOLs)

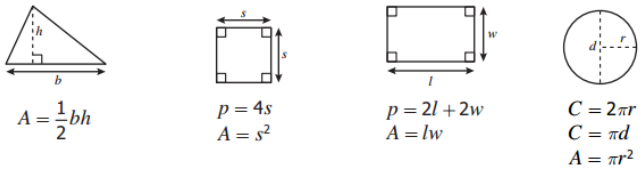
SHOW HOW YOU SOLVED EACH PROBLEM – NO CALCULATORS!

7. Solve.

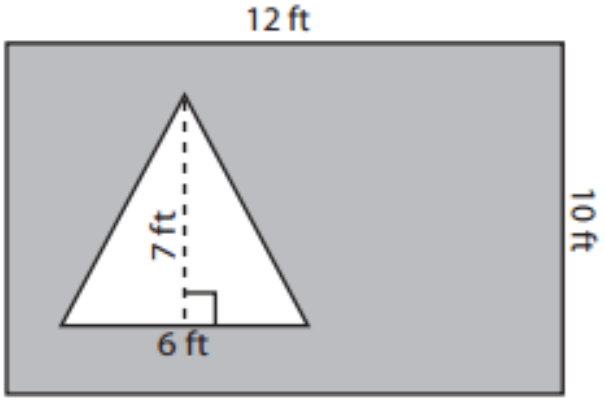
$$(-2)^5$$

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

Geometric Formulas



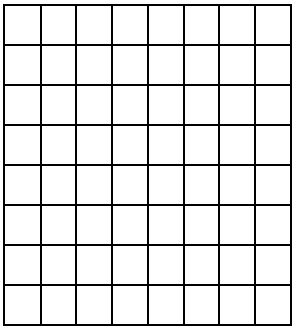
$A = \frac{1}{2}bh$ $\quad p = 4s$ $\quad A = s^2$ $\quad p = 2l + 2w$ $\quad A = lw$ $\quad C = 2\pi r$ $\quad C = \pi d$ $\quad A = \pi r^2$



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 $\sqrt{81}$
B $\sqrt{64}$
C 64
D 81