

**6th Review #31 – WORK MUST BE SHOWN FOR EACH PROBLEM – NO CALCULATORS**

1. What quadrant would  $(-28, 34)$  be located in? (Show how you know)

2. What percent represents the shaded portion of the figure below? (*Show how you found the percent, set up a fraction first!*)



3. Change  $4 \frac{7}{12}$  to an improper fraction.

Name \_\_\_\_\_

4. Change  $\frac{45}{6}$  to a mixed number.

5. Which of the following is the same value as

$$2 \frac{1}{5} \times \frac{5}{6}$$

**A**  $2 \frac{1}{6}$

**B**  $2 \frac{5}{30}$

**C**  $1 \frac{5}{6}$

**D**  $5 \frac{5}{7}$

6. Fran wanted to make brownies. The recipe called for  $2 \frac{1}{3}$  cups of sugar. How many cups of sugar would she need to double the recipe? (*Show how you solved the problem*)

**Adv. Review #31 (7<sup>th</sup> grade SOLs)**

**SHOW HOW YOU SOLVED EACH PROBLEM – NO CALCULATORS!**

**7.**

The expression  $-|-7|$  is equivalent to

- A. 1      B. 0      C. 7      D. -7

**8.**

The table below shows the amount of time each of four students spent on a mathematics test yesterday.

Time Spent  
on Mathematics Test

Name	Time (in hours)
Joe	$\frac{1}{2}$
Keith	$\frac{2}{3}$
Lena	$\frac{1}{4}$
Mia	$\frac{2}{5}$

Which student spent the *greatest* amount of time on the test?

- A. Joe      B. Keith      C. Lena      D. Mia

9. Use positive and negative counter chips to model and solve the following expression:

$$12 + (-8)$$

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

$$8 + (-12)$$