

**Algebra Review #1 SHOW HOW YOU SOLVED EACH PROBLEM**

1. Use  $>$ ,  $<$  or  $=$  in each blank.

- a.  $-6 \square -10$
- b.  $-3 \square 3$
- c.  $0 \square -7$
- d.  $|-1| \square 1$
- e.  $|-3| \square -|3|$

2. Simplify each expression

$54 \div -6$	$-18 - (-16)$
$2 + 40 \div (-5 + 3)$	$-8 \div (7 - 5) - 9$

3. Write an expression for each of the following.

The sum of a number (x) and 6	Five times the difference of 3 and a number (g)
Each bag (b) of seed costs \$13	The product of 4 and a number (p) divided by 2

NAME \_\_\_\_\_

4. Add (simplify answer if needed):

$$\frac{1}{6} + \frac{3}{4}$$

5. Multiply (simplify answer if needed):

$$\frac{3}{5} \cdot \frac{1}{12}$$

6. Fill in the chart:

Exponential	Expanded	Standard
$2^3$	$2 \cdot 2 \cdot 2$	8
$9^4$		
	$5 \cdot 5 \cdot 5 \cdot 5 \cdot 5$	
		196

