

Name: \_\_\_\_\_  
Date: \_\_\_\_\_  
Class: \_\_\_\_\_

Algebra  
Unit 1  
HW 1-2

1) Simplify:  $|2 - 5 - (-2)| = |-3 - (-2)| = |-1| = \textcircled{1}$

2) Simplify:  $-8 + 5 - 3 - 8 = -3 - 3 - 8 = -6 - 8 = \textcircled{-14}$

3) Simplify:  $(-4)(6)(-7) = 168$

4) Simplify:  $-(-2)(4) = -|-8| = \textcircled{-8}$

5) Simplify:  $\frac{-40.5}{-9} = 4.5$

6) Which of the following expressions has a higher degree?

a)  $x^6 - 2x - 4$

b)  $2x^4 - 8x^3 + 17x^2 - 9x + 10$

$\text{degree} = 6$

$\text{degree} = 4$

7) Which number has the largest absolute value?

a)  $|-7|$

b)  $|\sqrt{25}|$

c)  $|\frac{-42}{7}|$

d)  $|\frac{-8}{4}(\sqrt{16})|$

7

5

6

$|-2(4)| = |-8|$

8

8) Would the answer to the following problem be a positive or negative number?

$(-7)(8)(-1.5)(.8)(-14)(-188)(20)(-1.5742349)(-78)(12)(-14)$

7 negatives means a negative answer

b/c odd # of ~~neg~~ negatives are multiplied