Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Core \_\_\_\_\_\_\_\_

***Math 8: Simplifying Expressions Homework***

***Solve each problem by using the order of operations. Work from left to right.***

1. *Parentheses*
2. *Exponents* ***and Roots***
3. *Multiply OR Divide ( Whichever comes first left to right 🡪 )*
4. *Add OR subtract ( Whichever comes first left to right 🡪 )*

1. 6 (5 x 13 ) = Answer:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. (7 + 52 - 2) = Answer:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. 8 – (24 ÷ 12)2 = Answer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4. 30 − $\sqrt{16}$ Answer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. $\sqrt{49}$ + 10 Answer:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. $\frac{\sqrt{225}}{5}$ Answer:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_