

Name \_\_\_\_\_

Date \_\_\_\_\_

Period \_\_\_\_\_

*Order of Operations and Distributive Property Practice*

1. Use the distributive property to write an expression equal to each of the following expression.

a.  $-3(7 + -4)$

b.  $(-3 \cdot -2) - (-3 \cdot 7)$

2. After soccer practice, Eli buys a sports drink and granola bar for each of his 3 friends. The sports drinks cost \$2.50 each, and the granola bars cost \$1.25 each.

a. Using your understanding of the distributive property, write TWO equivalent number sentences (one factored and one expanded) that would find the total cost for all four people.

b. What is the total cost for all four people? Show your work and include units.

Use what you know about rational numbers and Order of Operations to evaluate the expressions below. Remember: ONE operation per step and show ALL steps!!!

3.  $(-7 + 4 \cdot 6) - 8$

4.  $-6 + 9 \div -3 \cdot 5$

5.  $\frac{1}{2} \cdot (-16 - 4) + 2\frac{1}{3}$

6.  $-4.2 \cdot -0.2 + 3 \cdot -4.3$