Extra Practice 5

Master 2.22

SHOW ALL WORK ON YOUR OWN PAPER

Lesson 2.5: Order of Operations with Integers

1. Evaluate. State which operation you do first.

a) $8 \times 5 - 4$

b) $(-4)[(-4) + 9]$

c) $18 \div [(-7) - 2]$

d) $(-3) + (-14) \div (-2)$

2. Evaluate. Show all steps.

a) $4(-8) - 9$

b) $(-1) + (-20) \div 5$

c) $(-9) + (-4)(-2)$

d) $(-3)[(-8) - 11]$

3. Evaluate.

a) $\dfrac{(-5)+(-9)}{2}$

b) $\dfrac{-12}{(-2)(-3)}$

c) $\dfrac{24 \div (-6) - 1}{-5}$

d) $\dfrac{36}{(-5) \times 2 + 4}$

4. Evaluate.

a) $(-72) \div 9 + 4 \times (-3)$

b) $5(-2) - 63 \div (-7)$

c) $\dfrac{4(-5)+[28 \div (-4)]}{5 \times (-2) + 1}$

d) $\dfrac{4 \times (-4) + (-8)}{[10 + (-1)] + [2 \times (-3)]}$

5. Evaluate each expression. Then insert one pair of square brackets in each expression so it evaluates to –1.

a) $12 \div (-4) + (-8)$

b) $(-9) + 6 \div 3$

c) $5 \div (-5) \times 0 + 1$