

Homework #4 - Order of Operations

Date _____ 5T _____

Evaluate each expression.

1) $4 \times 6 + 12 \div 6$

2) $(2 + 4)(5 - 4)$

3) $(10 \times 2 - 5) \div (6 - 1)$

4) $15 \div 3 + 3 + 6 \times 2$

5) $5.2 + 1.7 + 4.2 \times 5.3$

6) $5.3^2 \div 3.9 - 5.3 \div 5.2$

7) $\left(\frac{8}{5} - \frac{1}{3}\right) \times 2$

8) $\left(\frac{5}{6} + \frac{1}{4}\right)^2$

9) $\frac{5}{3} - \frac{2}{3} \times \frac{3}{2}$

10) $\left(2 + \frac{2}{3}\right) \div \frac{7}{5}$

$$11) \frac{3}{4} - \frac{2}{3} + \frac{3}{2} \times \frac{7}{5}$$

$$12) \frac{19}{11} \left(1 + \frac{4}{5} \right)^2$$

$$13) \left(\frac{3}{2} - \frac{1}{2} \right) \left(\frac{7}{6} + \frac{1}{2} \times \frac{2}{5} \right)$$

$$14) \frac{5}{3} \div 1 \times \frac{1}{3} + \left(\frac{3}{2} \right)^2$$

Evaluate each using the values given.

$$15) a + b - (c + a); \text{ use } a = 2, b = 5, \text{ and } c = 3$$

$$16) c \times b^2 \div 6; \text{ use } b = 6, \text{ and } c = 2$$

$$17) x + xy; \text{ use } x = 6, \text{ and } y = \frac{1}{2}$$

$$18) (y + x)^2; \text{ use } x = \frac{3}{5}, \text{ and } y = 1$$