

Name _____ Pd _____ Date _____ **HW Order of Ops**

Show ALL steps. Follow PEMDAS. Remember MD or DM then AS or SA as you read LEFT TO RIGHT.

Fraction bar acts as a grouping symbol. **You may get answers that are negative!

1) $4^2 - (10 - 2 \cdot 3)$

6) $\frac{15 \cdot 2 + 5}{5}$

2) $-7 + 3^2 - (-9)$

Recall: Keep Change Change $3 - (-2) = 3 + +2 = 5$

7) $48 \div (4 + 2^2)$

3) $5(2^3 - 12 \div 2)$

Recall: $a^2 = a \cdot a$ $a^3 = a \cdot a \cdot a$

8) $[\frac{15}{5} \cdot 8 - (5 + 9)] \div 2$

4) $\frac{3^3}{4^2 - 13}$

9) $(6 + 5^2 - 7) \div 6$

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

10) $\frac{15}{8(5-4)-3}$

$$11) \{20 \div [4 - (10 - 8)]\} \div 5$$

$$16) \frac{(-3-3)^2}{-9}$$

$$12) (5 + 16) \div 7 - 2$$

$$17) -5(5^2 - 21) \div 4$$

$$13) \frac{4^2 - 11}{-5}$$

$$18) \frac{[-16 - (-1)] \cdot 2}{4 + 1}$$

$$14) 5 + (16 + 2) \div 3 - 13$$

$$19) [2^2(10) + 3^2] \div (-7)$$

$$15) \frac{(6-3)^2}{-3}$$

$$20) -2[(5^2 - 4^2) \div 3] - 2$$