

**Homework: Order of Operations**  
**Pre Algebra**

Name: \_\_\_\_\_  
Period: \_\_\_\_\_

Use "pemdas" to help simplify each expression.

1.  $8 + 7 \cdot 9$

11.  $12 + 4^2$

2.  $35 - (17 - 2) \div 5$

12.  $24 - 9 \cdot 2 + 6 \div 3$

3.  $\frac{90 - 22}{28 - 11}$

13.  $\frac{45}{9} + 3$

4.  $12(2 + 7) - 24 \div 12$

14.  $4(9 - 3) \div (8 - 2)$

5.  $26 - [(25 - 11) - 2^3]$

15.  $(8^2 - 2^5) \div (24 \div 6) + 3^2$

6.  $\frac{12(30 - 12)}{3^2}$

16.  $\frac{5(16 - 5) - 1}{4^2 - 7}$

**Substitute and evaluate:  $x = 8$ ,  $y = 6$ ,  $m = 3$ ,  $p = \frac{1}{2}$ ,  $n = \frac{3}{4}$**

7.  $4x - 2m$

17.  $5y + 8p$

8.  $nxy \div m$

18.  $2(3x + 6) \div (10m)$

9.  $2ny + x$

19.  $(x + y) \div p$

10.  $6p + 8n$

20.  $my - 2x$