Homework: Order of Operations
Pre Algebra

Name:_____
Period;_____

Use "pemdas" to help simplify each expression.

1. $8 + 7 \cdot 9$

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

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

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

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

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

11. $12 + 4^2$

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

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

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

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

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. $4x - 2m$

8. $nxy \div m$

9. $2ny + x$

10. $6p + 8n$

17. $5y + 8p$

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

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

20. $my - 2x$