Order of Operations Practice

Name _____ Date _____

I. Simplify the following. *(Show each step for questions 1 and 2)*

1. $21 + 9 \div 3 + 9$

2. $4[3^3 - 5(8 - 6)] \div 2 + 11$

Make the following expressions equal to 21 by placing parenthesis.

3. $4 + 5 \bullet 3 - 6$

4. $15 \div 5 + 2 \bullet 4 + 10$

II. Simplify the following. *(Show each step for questions 5 and 6)*

5. $24 \div 3(5 - 3)$

6. $2^3[(15 - 7) \div 2]$

Make the following expressions equal to 35 by placing parenthesis.

7. $8 - 3 \bullet 9 - 2$

8. $15 + 10 \bullet 8 \div 4$

III. Order of Operations problem solving

Insert the proper operation signs (+,–, x, ÷) and grouping symbols, when needed, to make each sentence true.

4 2 1 = 1

4 2 1 = 2

4 2 1 = 3

4 2 1 = 4

4 2 1 = 5

4 2 1 = 6