

(FORM A)

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

### PROJECT #1 ORDER OF OPERATIONS

- A) Use the standard order of operations (PEMDAS) to evaluate each expression. Work by yourself.  
B) After doing each problem, compare the answer with your partner's. Although the problems are different, the answers should be the same.  
C) If you and your partner disagree, work together to find and fix the mistake(s).

1.  $3 + 8 \times 4 - 1 =$

2.  $7 \times 6 - 1 \times 5 =$

3.  $24 \div 6 - 2 + 2 =$

4.  $15 - 4 \times 3 - 2 =$

5.  $12 - 8 \div 4 - 2 =$

6.  $3 \times 2^2 - \sqrt{49} - 2 =$

7.  $2 \times 3 \times 5 - 4 =$

8. The quotient of 48 and 12, divided by 2, plus 4

9.  $6 \times 2^2 + \sqrt{9} \div 3 =$

10. 7 added to the difference of 8 times 7 and 7.

11. 7 less than the product of the square of x and the cube root of y, where x is 2 and y is 27.

12. If x represents 6 and y is 16, find the difference of 12 and the square root of y and then subtract that difference from x squared.