

**List the Order of Operations:**

- 1.
- 2.
- 3.
- 4.

**What order do you go in if you have only multiplying and dividing or adding and subtracting in an expression?**

**Evaluate each expression:**

1.  $3(11 - 2 \cdot 3) - 9$

2.  $(2 \cdot 8 + 2) \div 3^2$

3.  $5ab - 3b^2$  if  $a = 3$  and  $b = 5$

4.  $3x^2 + 4x - 1$  if  $x = 4$

If necessary, insert parentheses to make each equation correct. Then, show step-by-step how both sides of the equation match.

1.  $5 \cdot 2 + 4 \div 3 + 4 = 2$

2.  $4 \cdot 3 + 2 - 5 \cdot 3 = 5$

3.  $5 \cdot 2 + 1 \cdot 4 - 10 = 20$

4.  $4 - 2^3 - 3 + 1 = 4$