Evaluating Expressions

Miner we evaluate an expression we are A maing the answer to the expression when a value is given to plug in for the variable.

value is given to plug in for the variable.

2-x+5
$$2x+5$$
 When $x=2$
 $2x+5$

Evaluating vs. Solving

- Evaluating
- The value to plug in for the variable is given to you.
- Solving
 - There are equal signs
 - YOU are solving for the variable

Evaluating Expressions

• When plugging in a number for a variable put it in parenthesis

- Ex:
$$2x+5$$
, when $x=3$

$$2(3)+5$$

$$6+5$$

Don't Forget Order of Operations

A
$$\Rightarrow 2x^2 + 3x$$
, When $x=1/2$

$$2\left(\frac{1}{2}\right)^2 + 3\left(\frac{1}{2}\right)$$

$$2\left(\frac{1}{4}\right) + 3\left(\frac{1}{4}\right)$$

$$2\left(\frac{1}{4}\right) + 3\left(\frac{1}{4}\right)$$