

Week 5**Add, Subtract & Multiply Polynomials**

Simplify the expression.

$$(8x^3 + 3x^2 - 6) - (x^3 - 7x^2 - 3)$$

My solution is....**Solving Linear Equations**

Solve each equation for the given variable.

$$5n + 34 = -2(1 - 7n)$$

My solution is....**Solving Systems of Equations**

Solve each system by elimination.

$$4x + 8y = 20$$

$$-4x + 2y = -30$$

My solution is....**Solving Linear Inequalities**

Solve each inequality and graph its solution on a number line.

$$a - 6 \leq 15 + 8a$$

My solution is....

Function Notation

Use the function $f(x) = -3x - 8$ to evaluate each of the following:

$f(-2)$

$f(c + 5)$

My solution is....

Recursive & Explicit Formulas

Find the first five terms of the sequence.

$a_{n+1} = a_n - 8$ where $a_1 = 25$

My solution is....

Exponential Growth & Decay

Maria's parents invested \$14,000 at 4.2% per year compounded yearly. How much money will there be in the account after 10 years?

My solution is....

