

Week 2**Add, Subtract & Multiply Polynomials**

Simplify the expression.

$$(a^3 - 2a^2) - (-4a^3 + 3a^2)$$

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

Solve each equation for the given variable.

$$5y - 14 = 8y + 4$$

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

Solve each system by substitution.

$$x = 16 - 4y$$

$$3x + 4y = 8$$

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

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

$$5(6 + 3x) + 7 \geq 127$$

My solution is....

Function Notation

Use the function $f(x) = 5x - 8$ to evaluate each of the following:

$f(a)$

$f(3)$

My solution is....

Recursive & Explicit Formulas

Write the recursive formula for the sequence

32, 27, 22, 17, 12, ...

My solution is....

Exponential Growth & Decay

Each year the local slow pitch league sponsors a softball tournament. Play starts with 32 teams. During each round, half of the teams are eliminated. How many teams remain after 3 rounds?

In which round will a champion be determined?

My solution is....

