March 18-22

Last week - completed the elimination method for a system of equations.

Monday:

    Objective:

        Simplify square roots

    Activity:

        Make Table of the perfect squares and roots.

        Notes on breakdown of square roots by multiples.

Simplifying Radicals: Finding hidden perfect squares and taking their root.

Simplify each expression by factoring to find perfect squares and then taking their root.

1) $\sqrt{75}$ 2) $\sqrt{16}$

        Give examples

Tuesday:

    Objective:

        Simplify square roots - more practice
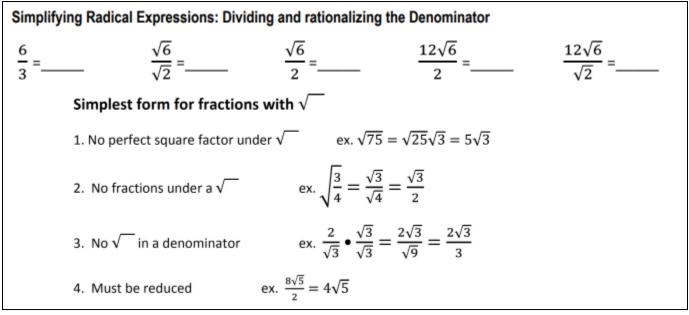
    Activity:

        Practice worksheet to complete

Wednesday:

    Objective:

        Simplify values involving square roots

    Activity:

        Complete Edpuzzle for notes such as with these

Simplifying Radical Expressions: Dividing and rationalizing the Denominator

$\dfrac{6}{3} =$ _____ $\dfrac{\sqrt{6}}{\sqrt{2}} =$ _____ $\dfrac{\sqrt{6}}{2} =$ _____ $\dfrac{12\sqrt{6}}{2} =$ _____ $\dfrac{12\sqrt{6}}{\sqrt{2}} =$ _____

Simplest form for fractions with $\sqrt{}$

1. No perfect square factor under $\sqrt{}$ ex. $\sqrt{75} = \sqrt{25}\sqrt{3} = 5\sqrt{3}$

2. No fractions under a $\sqrt{}$ ex. $\sqrt{\dfrac{3}{4}} = \dfrac{\sqrt{3}}{\sqrt{4}} = \dfrac{\sqrt{3}}{2}$

3. No $\sqrt{}$ in a denominator   ex. $\dfrac{2}{\sqrt{3}} \bullet \dfrac{\sqrt{3}}{\sqrt{3}} = \dfrac{2\sqrt{3}}{\sqrt{9}} = \dfrac{2\sqrt{3}}{3}$

4. Must be reduced   ex. $\dfrac{8\sqrt{5}}{2} = 4\sqrt{5}$

        Start on worksheet

Thursday:

    Objective: Simplify square roots   - rationalizing the denominator

    Activity:

        Practice worksheet to complete

Friday:

    Objective: Solve quadratic equations

    Activity: Complete a kahoot on simplifying square roots

        Watch and complete edpuzzle on solving quadratic equations when b = 0 so form ax2 + c =0