What's Going On?

Checking In F.F.M.

Minds on Quarters and Dimes

Action! Making Equations

Consolidation Symbols

Learning Goal - I will be able to solve problems involving linear systems.

F.F.M.

Solve the system using elimination.

$$4y = -12 - 7x
3x - 6y = -36$$

$$7x + 4y = -120$$

$$3x - 6y = -360$$

$$0 \times 3$$

$$21x + 12y = -36$$

$$3x - 6y = -360$$

$$0 \times 3$$

$$21x + 12y = -36$$

$$+ 6x - 12y = -72$$

$$\frac{27x}{27} = \frac{-100}{27}$$
Substitute $x = -4$ into 0 or 0

$$7x + 4y = -12$$

$$-26 + 4y = -12$$

$$+ 128$$

$$4x = 16$$

$$4x$$

Elimination or Substitution?

Elimination or Substitution?

$$y = 2x - 3$$

$$- y = -4x + 9$$

$$0 = 6x - 12$$

$$12 = 6x$$

$$x = 2$$

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$$30\left(\frac{x}{6} - \frac{y}{5}\right) = (3)30 \ 6 \left(\frac{x}{3} - \frac{y}{2}\right) = (-3)6 \ 0$$

$$\frac{30x}{6} - \frac{30y}{5} = 90 \ \frac{6x}{3} - \frac{6y}{2} = -18 \ 3$$

$$5x - 6y = 900$$

Minds on

Quarters and Dimes

I have a handful of quarters and dimes.

There are 12 coins in my hand totaling \$1.35

$$\frac{1+q=12}{10l+25l=135}$$

$$10l+25l=135$$

$$10l+10l=120$$

$$-10l+25l=135$$

$$-15l=-15$$

$$-15$$

$$2=1$$

Action!

Making Equations

A few of Mr. Gilbert's Grade 10 students decided to get together over Thanksgiving weekend and compare answers for the TIPS assignment. (they got caught of course)

The group sent Hope on a Tim Horton's run to get 6 coffees and 4 breakfast sandwiches. Hope lost the receipt but remembered that she spent \$24.60 all together.

Elyse knows that a coffee and a breakfast sandwich comes to \$5.25.

What is the price of a single coffee? What is the price of a breakfast sandwich?

Consolidation

Homework

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ALL