#### What's Going On?

Checking In F.F.M.

Minds on Solve the System

Action! The Eliminator

Consolidation Piecing it Together

Learning Goal - I will be able to solve linear systems by elimination.

## Checking In

## This Week

Monday - Elimination

Tuesday - Creating Equations

Wednesday - Solving Problems

Thursday - Homework Help Registration TIPS assignment

# Checking In

## **Next Week**

Tuesday - Review

Wednesday - Test (TIPS DUE)

## Minds on

# Solve the System

$$3x + 2y = 19$$
 (1)

$$5x - 2y = 5$$
 (2)

# Action!

# The Eliminator

Solve the system.

$$\frac{3x + 2y = 19}{5} (1) \\
+ 5x - 2y = 5 (2)$$

$$x = 24$$

$$x = 3$$

#### Action!

## The Eliminator

Solve the system.

$$5p + 3q = -19 \quad (1)$$

$$2p - 5q = 11 \quad (2)$$

$$(1) \times 2 \qquad |0p + 6z| = -38 \quad (3)$$

$$(2) \times 5 \qquad -10p - 2S_z = -5S \qquad (4)$$

$$3l_z = -93$$

$$2 = -3$$

$$8c-3d=-100$$
  
 $2c-5d=60$   
Multiply (2) by 4.  
 $4(2c-5d)=4(6)$   
 $8c-20d=24(3)$ 

Subtract 
$$0$$
 From  $3$ 

$$8c-20J=24 (3)$$

$$-(8c-3J=-10) (1)$$

$$\frac{-17J-3y}{1-17}$$

$$d=-2$$

Substitute 
$$d=-2$$
 into  $0$  or  $0$   
 $8c-3d=-10$   
 $8c-3(-2)=-10$   
 $8c+6=-10$   
 $8c=-16$   
 $8c=-16$   
 $8c=-16$ 

## Consolidation

# Piecing it Together

Form groups of 4. (group your desks)

When I say "go", open your envelope and put the solution in order.

When you are done, have someone stand up. I will come check.

DO NOT WRITE ON THE SLIPS!

# Consolidation

# Homework