Name:_____ Graphing Systems Reinforcement Activity **Blue**

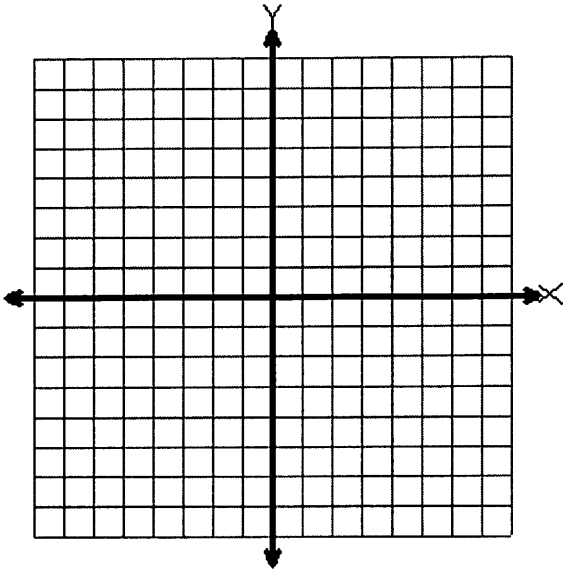
Find Someone with a White Paper:

Your Equation: $y = -\frac{2}{3}x + 4$

White Equation: _____

Check Your Equation

Graphing



Check Your Partners Equation

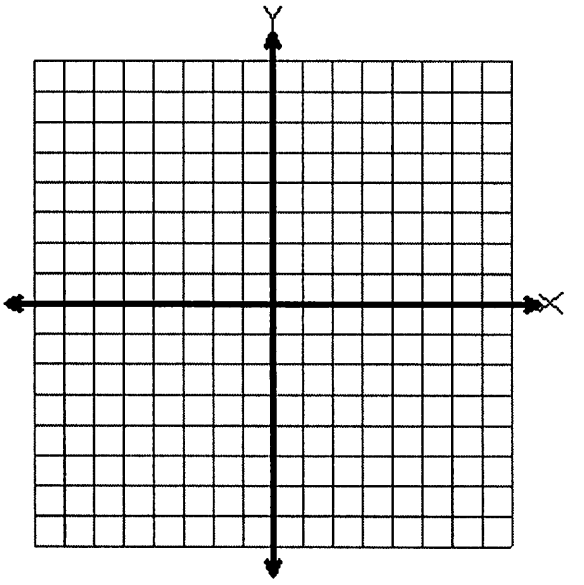
Find Someone with a Pink Paper:

Your Equation: $y = -x + 1$

Pink Equation: _____

Check Your Equation

Graphing



Check Your Partners Equation

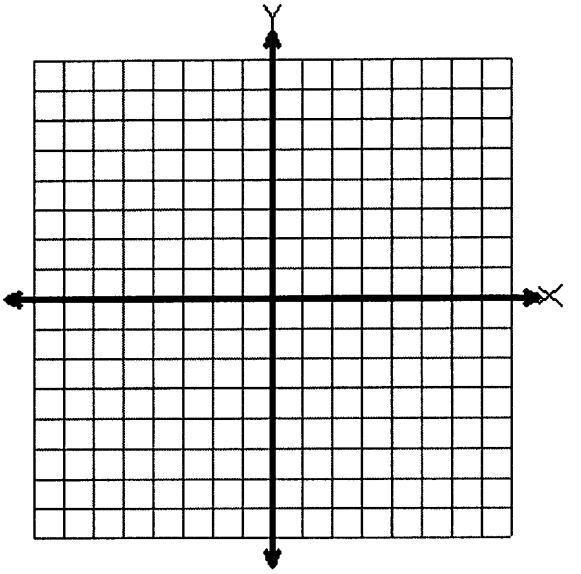
Find Someone with a Green Paper:

Your Equation: $x-2y=-8$

Green Equation: _____

Check Your Equation

Graphing



Check Your Partners Equation

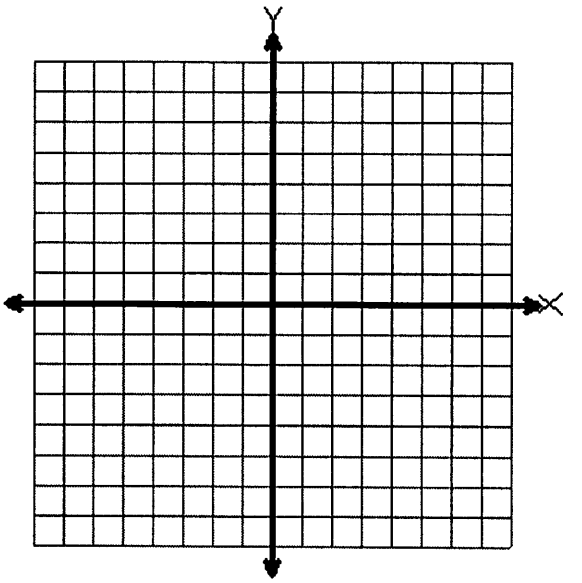
Find Someone with an Orange Paper:

Your Equation: $4y+3x=8$

Orange Equation: _____

Check Your Equation

Graphing



Check Your Partners Equation

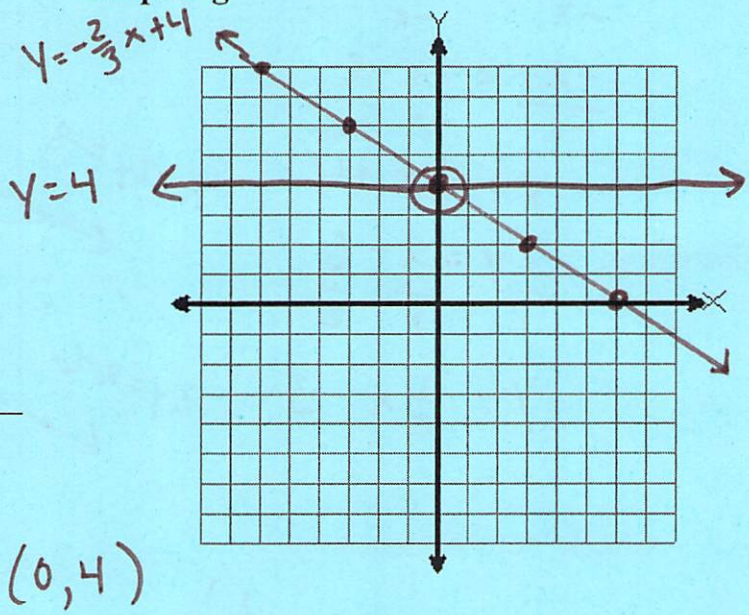
Name:_____ Graphing Systems Reinforcement Activity **Blue**

Find Someone with a White Paper:

Your Equation: $y = -\frac{2}{3}x + 4$

White Equation: $y = 4$

Graphing



(0,4)

Check Your Equation

$y = -\frac{2}{3}x + 4$

$4 = -\frac{2}{3}(0) + 4$

$4 = 4$ ✓

Check Your Partners Equation

$y = 4$

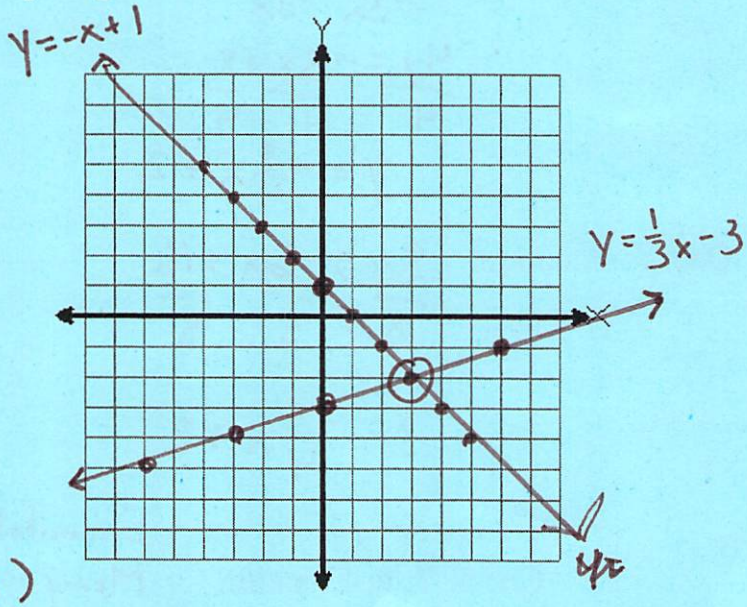
$4 = 4$ ✓

Find Someone with a Pink Paper:

Your Equation: $y = -x + 1$

Pink Equation: $y = \frac{1}{3}x - 3$

Graphing



(3, -2)

Check Your Equation

$y = -x + 1$

$-2 = -3 + 1$

$-2 = -2$ ✓

Check Your Partners Equation

$y = \frac{1}{3}x - 3$

$-2 = \frac{1}{3}(3) - 3$

$-2 = 1 - 3$

$-2 = -2$ ✓

Find Someone with a Green Paper: **Graphing**

Your Equation: $x-2y=-8$

$-x \quad -x$

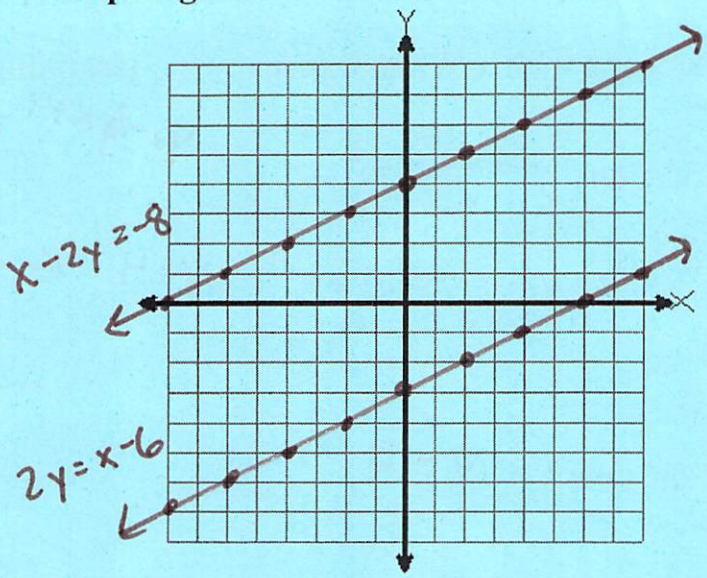
$\frac{-2y}{-2} = \frac{-x}{-2} - \frac{8}{-2}$

$y = \frac{1}{2}x + 4$

Green Equation: $2y = x - 6$

$\frac{2y}{2} = \frac{x}{2} - \frac{6}{2}$

$y = \frac{1}{2}x - 3$



Check Your Equation

Check Your Partners Equation

No Solution

Find Someone with an Orange Paper: **Graphing**

Your Equation: $4y+3x=8$

$-3x \quad -3x$

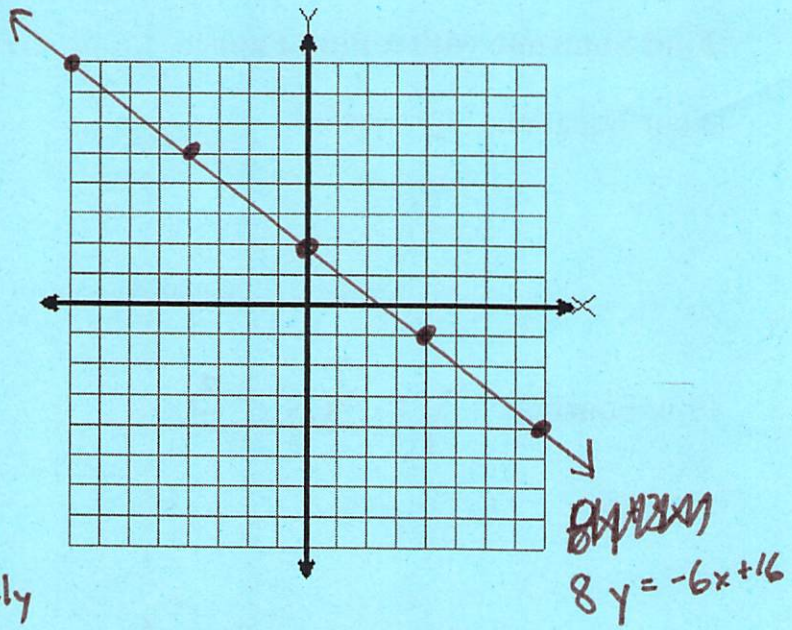
$\frac{4y}{4} = \frac{-3x}{4} + \frac{8}{4}$

$y = -\frac{3}{4}x + 2$

Orange Equation: $8y = -6x + 16$

$\frac{8y}{8} = \frac{-6x}{8} + \frac{16}{8}$

$y = -\frac{3}{4}x + 2$



Infinitely Many Solutions

(4, -1)

Check Your Equation

$4y+3x=8$

$4(-1)+3(4)=8$

$-4+12=8$

$8=8$ ✓

Check Your Partners Equation

$8y=-6x+16$

$8(-1)=-6(4)+16$

$-8=-24+16$

$-8=-8$ ✓