Find Someone with a White Paper:
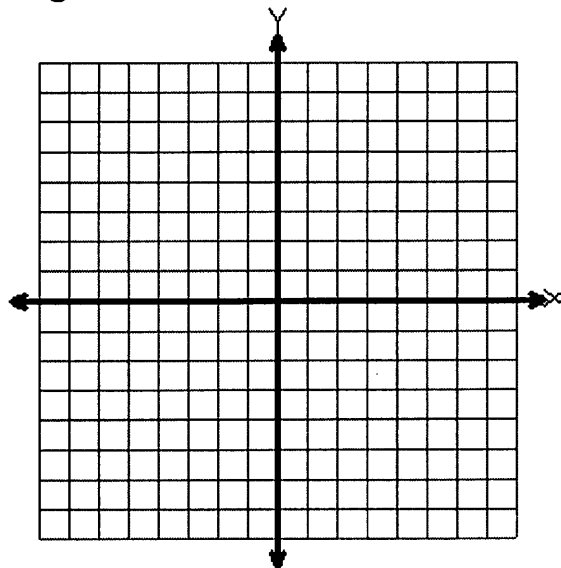
Your Equation: $-2y - 5x = 2$

Graphing

White Equation: _____

Check Your Equation

Check Your Partners Equation

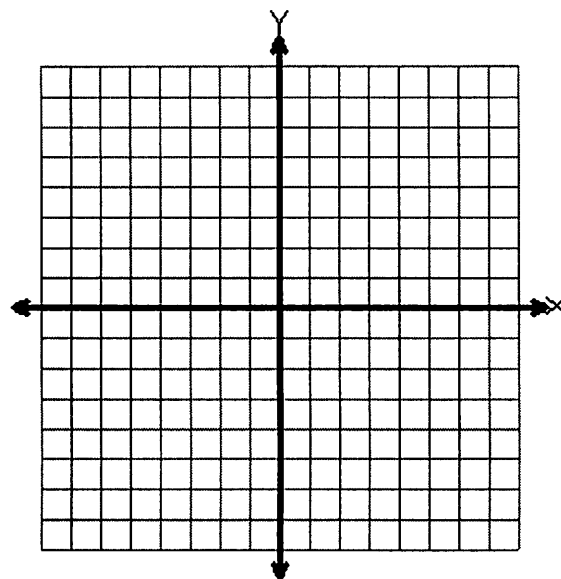## Find Someone with a Pink Paper:

Your Equation: $y + 4 = \dfrac{1}{4}x$

Graphing

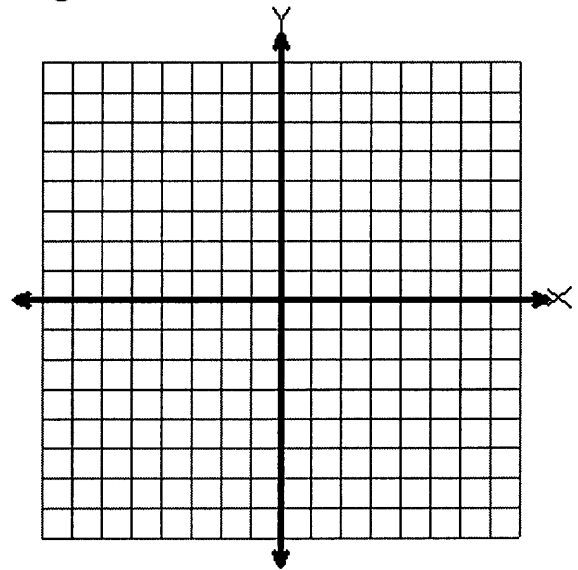Pink Equation: _____

Check Your Equation

Check Your Partners Equation

Find Someone with a Green Paper:

Your Equation: $y + 2 = -x$

Graphing

Green Equation: _____
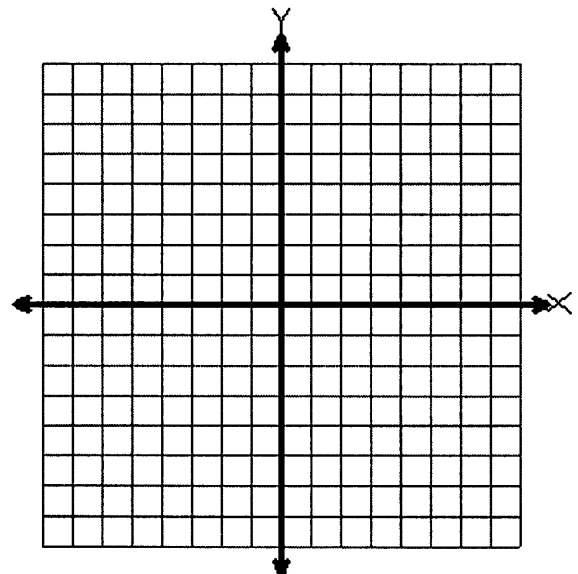
Check Your Equation

Check Your Partners Equation

Find Someone with a Blue Paper:

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

Graphing

Blue Equation: _____

Check Your Equation

Check Your Partners Equation

Find Someone with a White Paper: Graphing

Your Equation: $-2y - 5x = 2$

$$ + 5x \quad +5x$$
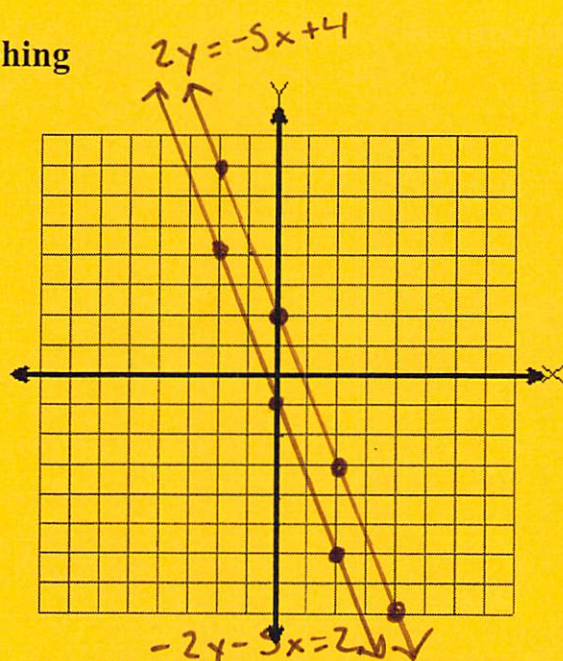
$$\frac{-2y}{-2} = \frac{5x}{-2} + \frac{2}{-2}$$

$$y = -\frac{5}{2}x - 1$$

White Equation: $\dfrac{2y}{2} = \dfrac{-5x}{2} + \dfrac{4}{2}$

$$y = -\frac{5}{2}x + 2$$

Check Your Equation

$2y = -5x + 4$

$-2y - 5x = 2$

Check Your Partners Equation

No Solutions

Find Someone with a Pink Paper: Graphing

Your Equation: $y + 4 = \dfrac{1}{4}x$

$$ -4 \qquad -4$$

$$y = \frac{1}{4}x - 4$$

Pink Equation: $\underline{\quad x = 4 \quad}$

$x = 4$

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

$(4, -3)$
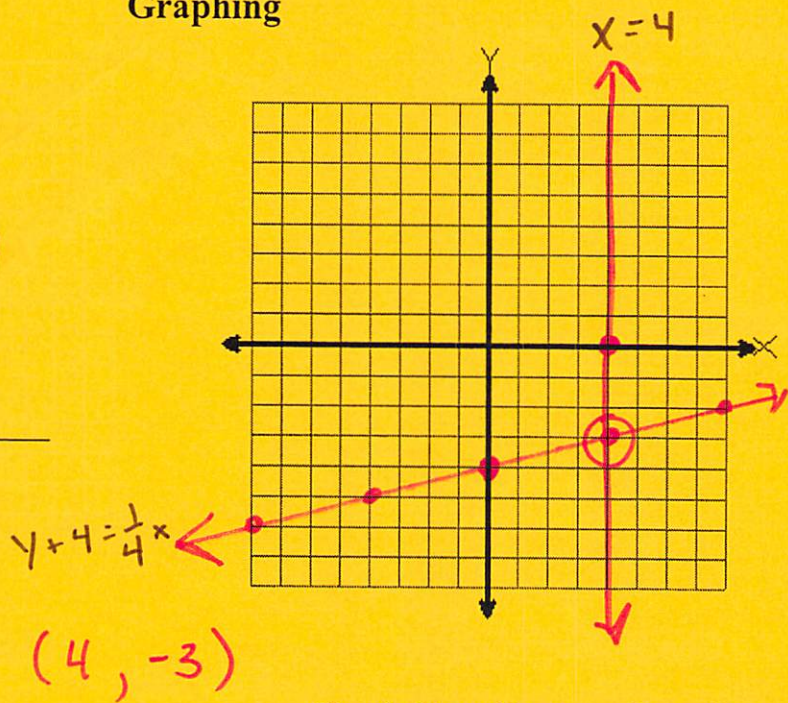
Check Your Equation

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

$$-3 + 4 = \frac{1}{4}(4)$$

$$1 = 1 \checkmark$$

Check Your Partners Equation

$$x = 4$$

$$4 = 4 \checkmark$$

Find Someone with a Green Paper:
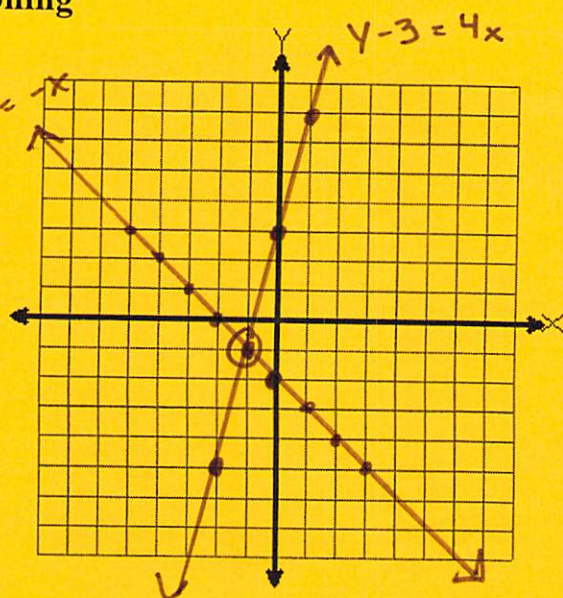
Graphing

Your Equation: $y + 2 = -x$

$$\underline{-2\quad -2}$$

$$y = -x - 2$$

Green Equation: $\underline{y - 3 = 4x}$

$$+3\quad +3$$

$$y = 4x + 3$$

$(-1, -1)$

Check Your Equation

$$y + 2 = -x$$
$$-1 + 2 = -(-1)$$
$$1 = 1 \checkmark$$

Check Your Partners Equation

$$y - 3 = 4x$$
$$-1 - 3 = 4(-1)$$
$$-4 = -4 \checkmark$$

Find Someone with a Blue Paper:

Graphing

Your Equation: $\dfrac{8y}{8} = \dfrac{-6x}{8} + \dfrac{16}{8}$
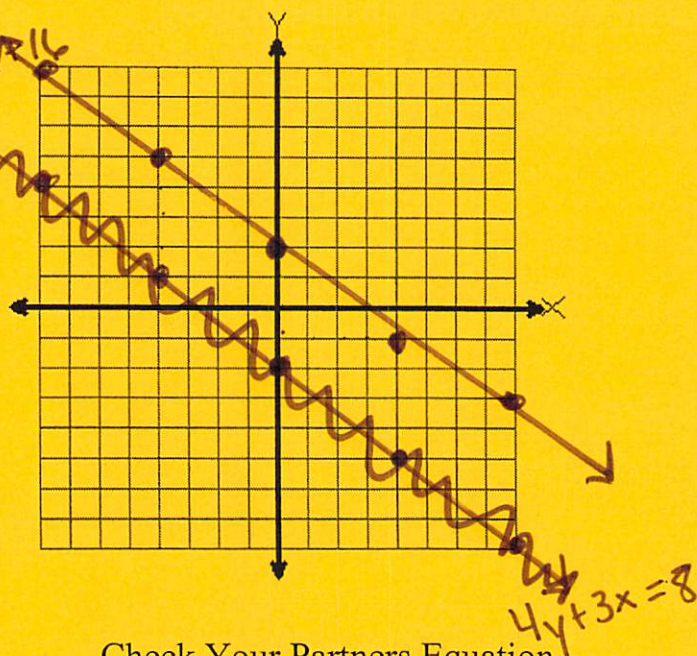
$$y = -\frac{3}{4}x + 2$$

Blue Equation: $\underline{4y + 3x = 8}$

$$-3x\quad -3x$$

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

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

Check Your Equation

$$8y = -6x + 16$$
$$8(5) = -6(-4) + 16$$
$$40 = 24 + 16$$
$$40 = 40$$

Infititely Many Solutions

$(-4, 5)$

Check Your Partners Equation

$$4y + 3x = 8$$
$$4(5) + 3(-4) = 8$$
$$20 - 12 = 8$$
$$8 = 8 \checkmark$$