

Name: _____

Lesson 6.5 – Using the Graphing Calculator**Buttons you should check before using calculator:**

- 1) MODE
- 2) FORMAT
- 3) MEM

Buttons you need for this unit

- 1) Y=
- 2) ZOOM
- 3) TBLSET
- 4) TABLE
- 5) GRAPH
- 6) CALC

ExampleFor the equation $y = -\frac{1}{2}x + 4$, create a table of values from -6 to 6 that goes up by 2.

x	y
-6	
-4	
-2	
0	
2	
4	
6	

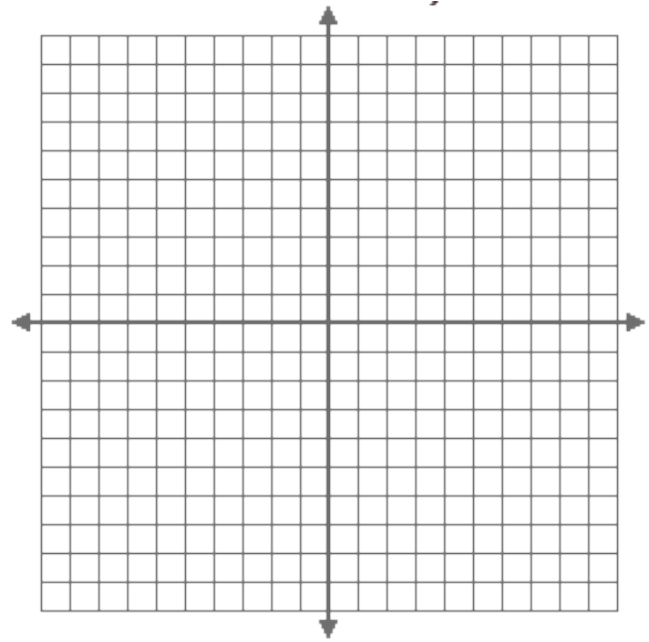
Example #1 Use your calculator to help solve the following system of equations

$$y_1 = -2x - 3$$

$$y_2 = \frac{3}{2}x - 4$$

X	Y

X	Y



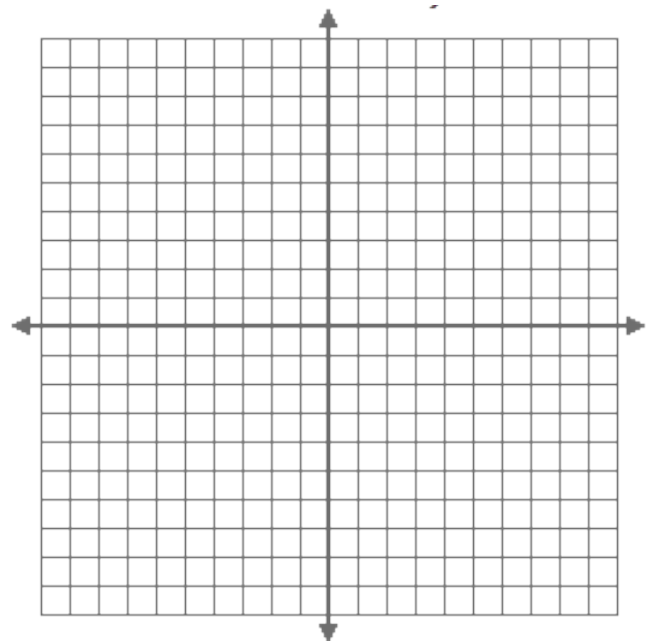
Example #2 Use your calculator to help solve the following system of equations

$$3x + 2y = -4$$

$$4x - 2y = 6$$

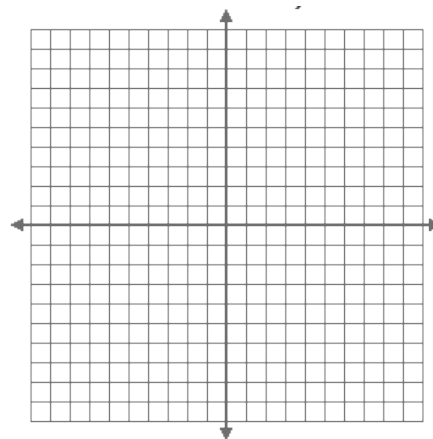
X	Y

X	Y

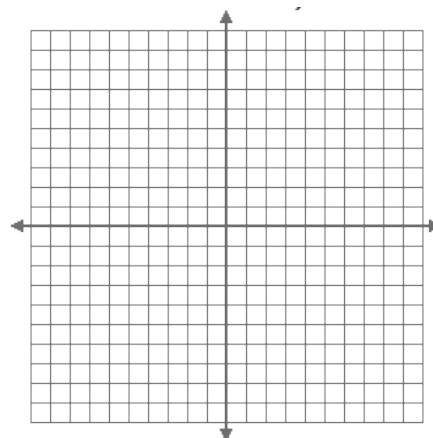


Assignment:

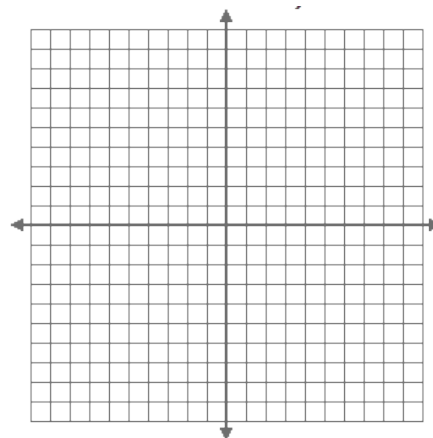
1) $y = 3x - 4$
 $y = -3x + 2$



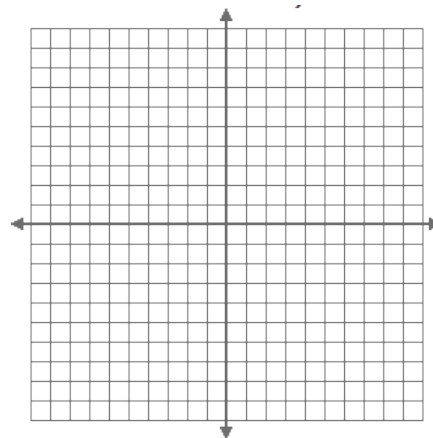
2) $y = \frac{4}{3}x + 3$
 $y = -\frac{2}{3}x - 3$



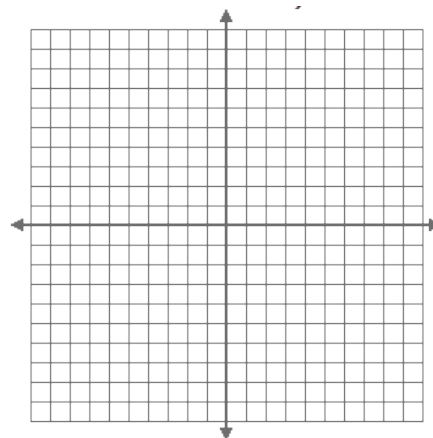
3) $y = \frac{5}{4}x - 2$
 $y = \frac{5}{4}x - 1$



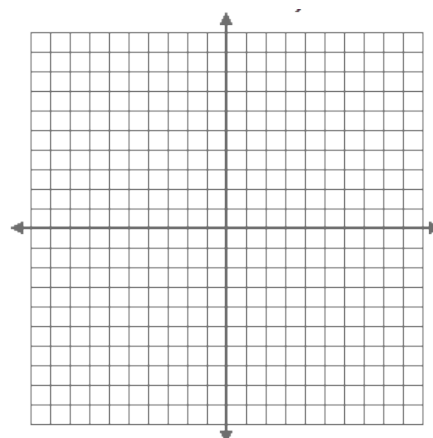
4) $y = \frac{1}{2}x + 2$
 $y = -x - 2$



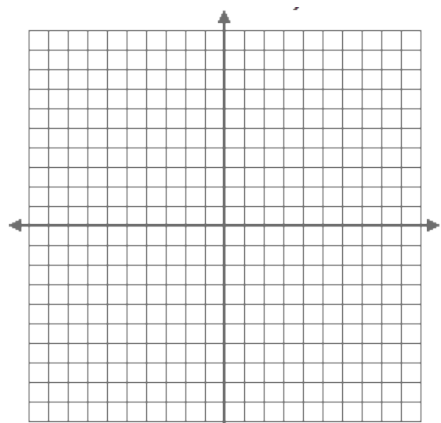
5) $y = -\frac{3}{2}x - 4$
 $y = \frac{1}{2}x + 4$



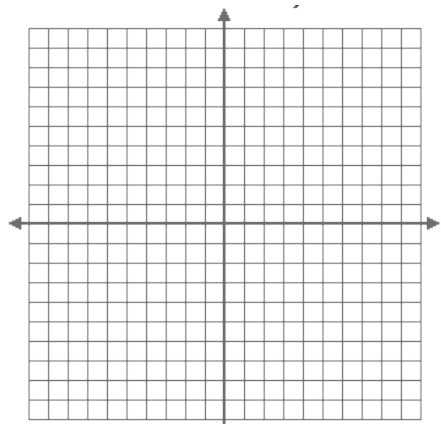
6) $y = 4x - 1$
 $y = -x + 4$



7) $y = \frac{3}{4}x + 1$
 $y = -\frac{1}{2}x - 4$



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



Answers

- 1) (1,-1) 2) (-3,-1) 3) No Solution
 4) (-3,1) 5) (-4,2) 6) (1,3)
 7) (-4,-2) 8) (-4,3)

