**PROBLEMS AND SOLUTIONS**
**GRAPHICAL REPRESENTATION OF LINEAR EQUATIONS IN TWO VARIABLES**
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**Please Send Questions and Comments to ingrid.stewart@csn.edu. Thank you!**

**PLEASE NOTE THAT YOU MUST BE ABLE TO DO THE FOLLOWING PROBLEMS WITHOUT A CALCULATOR!**

- Write each x-value and its corresponding y-value as an ordered pair. These are our data points!

**Problem 1:**

Plot the following points into a *Cartesian Coordinate System*.

***(- 4, -2)***, ***(-3, 2)***, ***(0, -3)***, ***(2, 0)***, and ***(0, 0)***.

**Problem 2:**

Graph the linear equation ***2x - y = 4***.

**Problem 3:**

Graph the linear equation ***y = -3x - 6***.

**Problem 4:**

Graph the linear equation ***y = 2x***.

**Problem 5:**

Graph the linear equation ***5x - 3y = 7***.

**Problem 6:**

Graph the following linear equations into ONE coordinate system.

***y = 2*** and ***y = -2***

**Problem 7:**

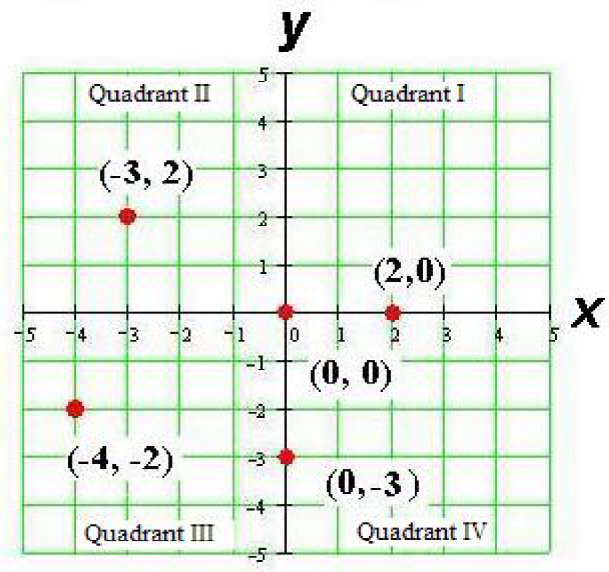
Graph the following linear equations into ONE coordinate system.

***x = 4*** and ***x = - 4***

SOLUTIONS

You can find detailed solutions below the link for this problem set!

1.

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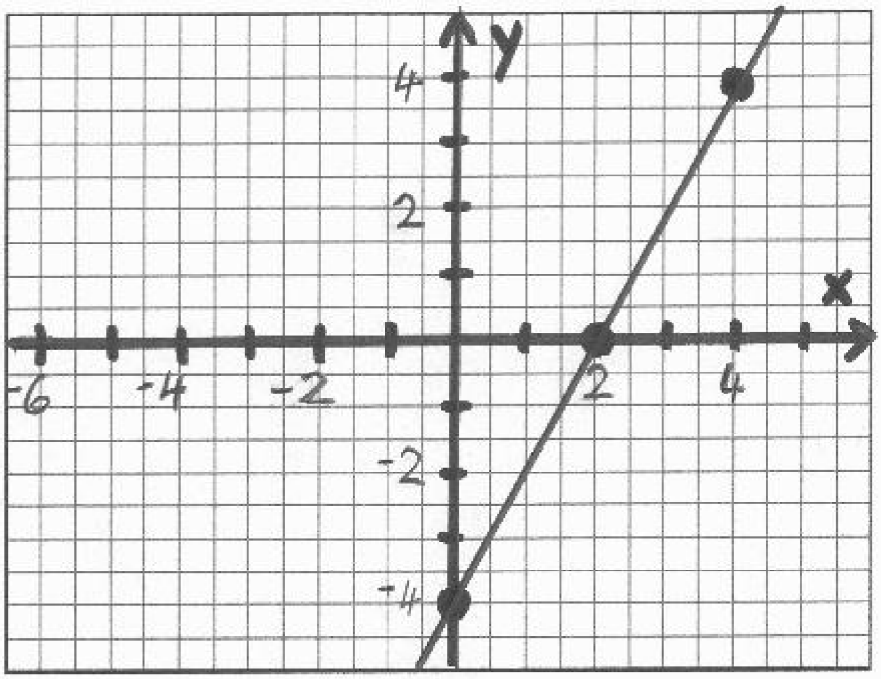

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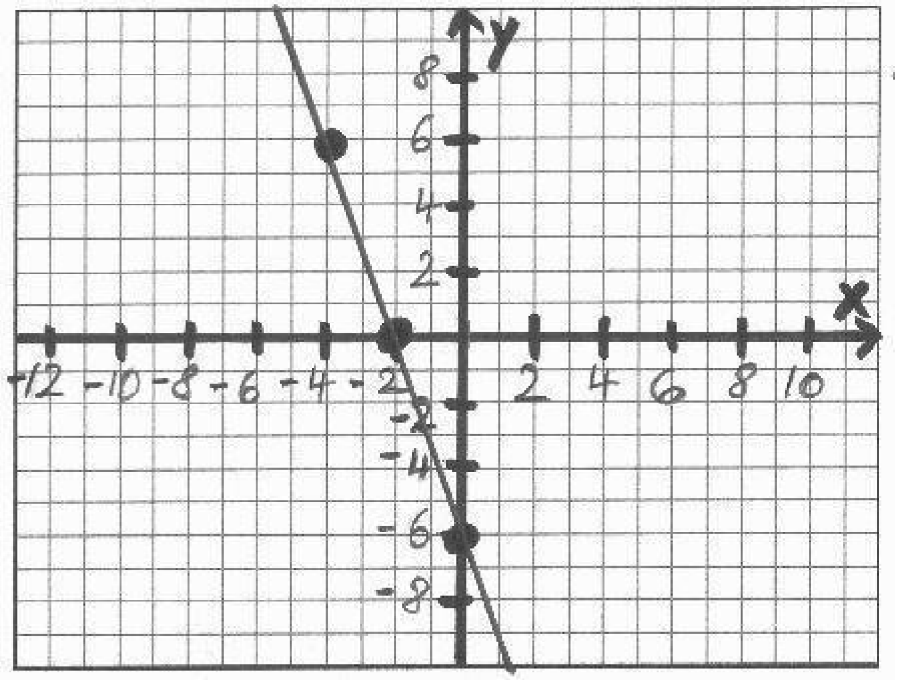


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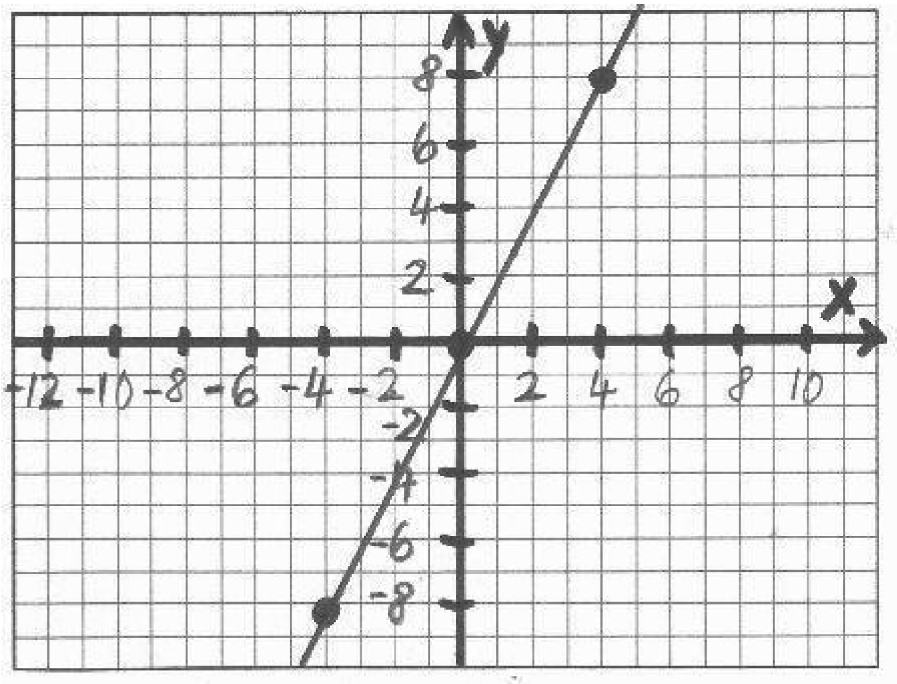

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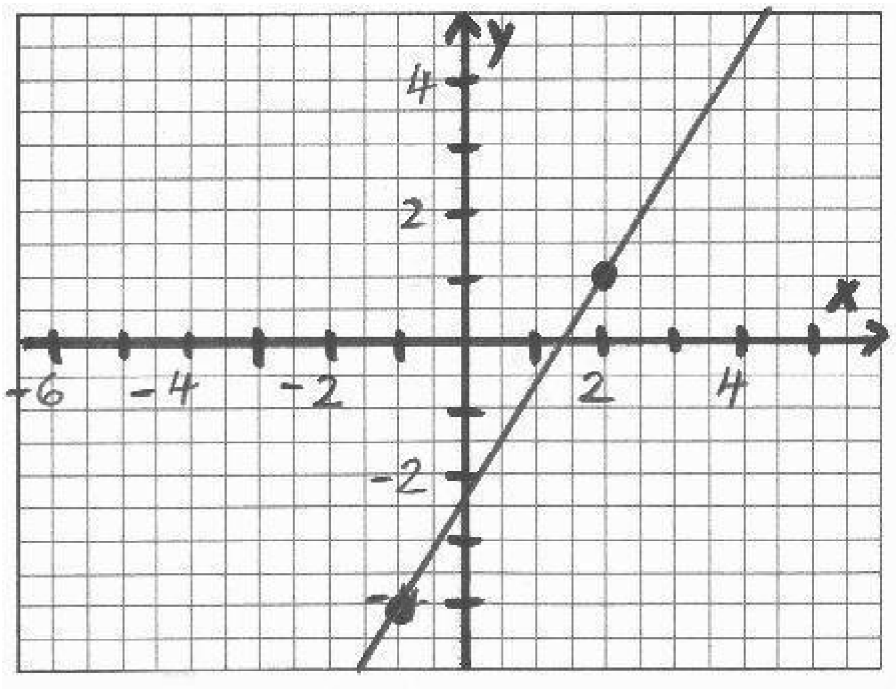


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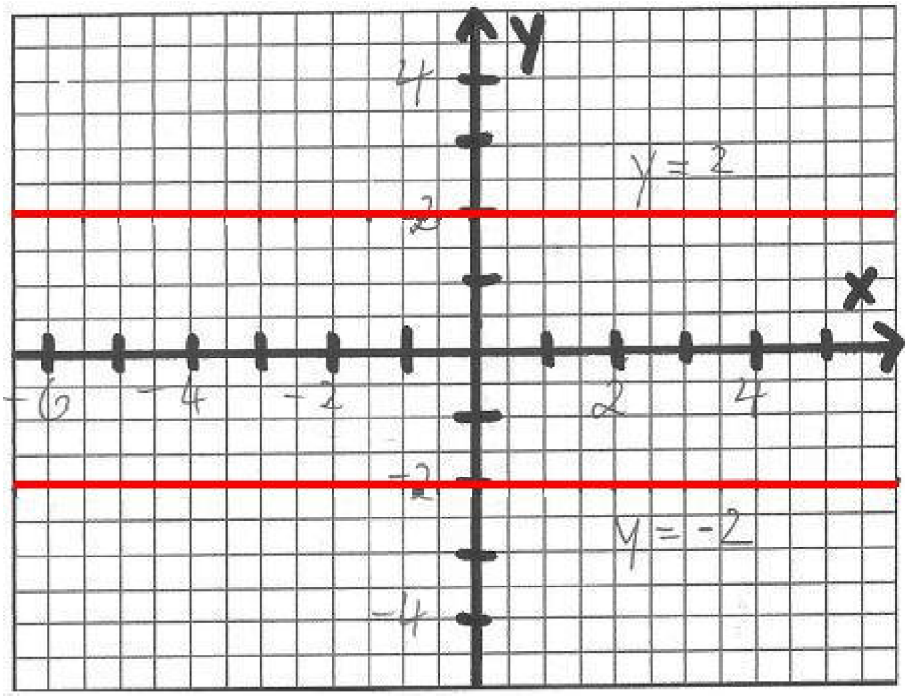

7.