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Instructor: _____

Date: _____

Class Time: _____

Unit 5 Module A Notes Sections 14.1 – 14.4

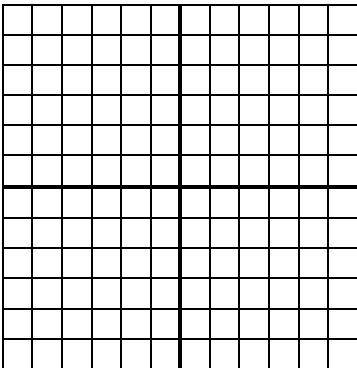
View the PowerPoint, Videos, or Textbook for Module 5A.

Vocabulary *Fill in the blanks.*

1. (Section 14.1) The point with the coordinates of $(0,0)$ is called the _____ .
2. (Section 14.1) The _____ of an equation is a drawing that represents all of its solutions.
3. (Section 14.2) A point where the graph crosses the y-axis is called a _____.
4. (Section 14.3) A point where the graph crosses the x-axis is called a _____.
5. (Section 14.3) The graph of $y = b$ is a _____ line.
6. (Section 14.3) The graph of $x = a$ is a _____ line.
7. (Section 14.4) The _____ of a line is the change in the y values divided by the change in the x values.

Problems *Show ALL steps.*

1. (Section 14.1) Graph the points $(-2,4)$, $(0,3)$, $(-2,0)$, $(3,2)$, $(5,-3)$, and $(-4,-2)$.



2. (Section 14.1) Is $(0,5)$ a solution to $5x - 3y = 15$?

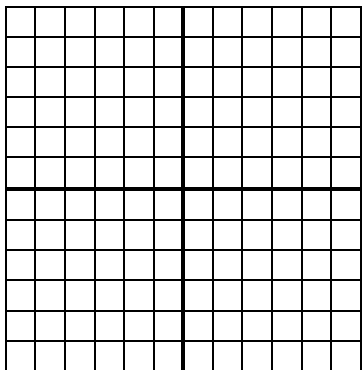
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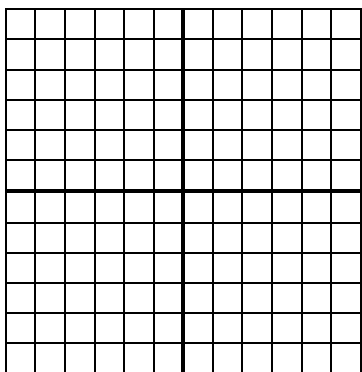
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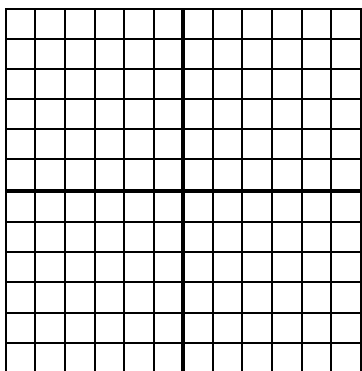
3. (Section 14.2) Graph $x + 2y = -6$ and identify the y -intercept.



4. (Section 14.3) Find the intercepts and use the intercepts to graph $5x - 10 = 5y$.



5. (Section 14.3) Graph the line $x = 3$.



6. (Section 14.4) Find the slope of the line containing the points $(8,7)$ and $(2,-1)$.