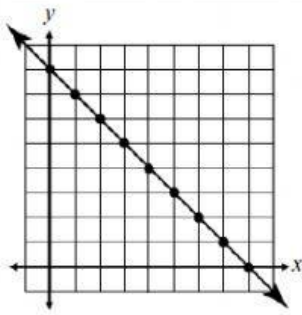


Name:

Date:

Topic:

Class:

Main Ideas/Questions	Notes/Examples	
X- and Y-Intercepts	<ul style="list-style-type: none">➤ The point at which the line intersects the x-axis is called the x-intercept.➤ The point at which the line intersects the y-axis is called the y-intercept.➤ Example: Identify the x- and y-intercept of the graph shown to the right.	
Finding Intercepts Algebraically	<ul style="list-style-type: none">➤ To find the x-intercept of an equation: _____➤ To find the y-intercept of an equation: _____➤ Example: Find the x- and y-intercept of the equation $y = 3x + 6$.	
Examples	Directions: Find the x - and y -intercept of each equation.	
	1. $y = -x + 5$	x -int: _____ y -int: _____
	2. $y = \frac{1}{2}x - 8$	x -int: _____ y -int: _____
	3. $y = -\frac{4}{3}x + 2$	x -int: _____ y -int: _____

4. $x - y = 2$

x-int: _____

y-int: _____

5. $3x - 2y = 12$

x-int: _____

y-int: _____

6. $8x + 10y = -10$

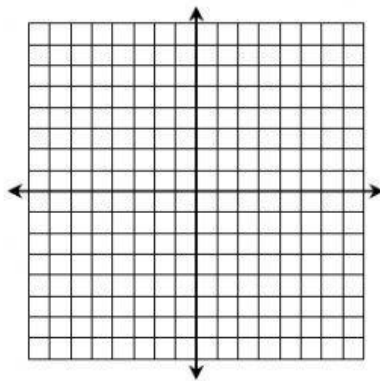
x-int: _____

y-int: _____

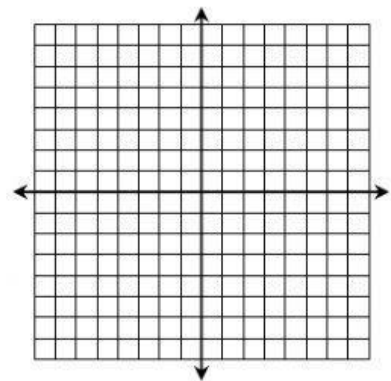
Graphing by Intercepts

Directions: Find the x- and y-intercept of each equation. Graph the equation using its intercepts.

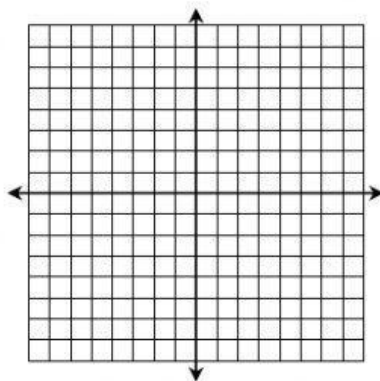
7. $x + y = 3$



8. $-4x + 5y = 20$



9. $9x - 15y = 45$



10. $2x - y = 7$

