

Name: _____ Date: _____ Block: _____

Algebra 1- Week 9 Homework

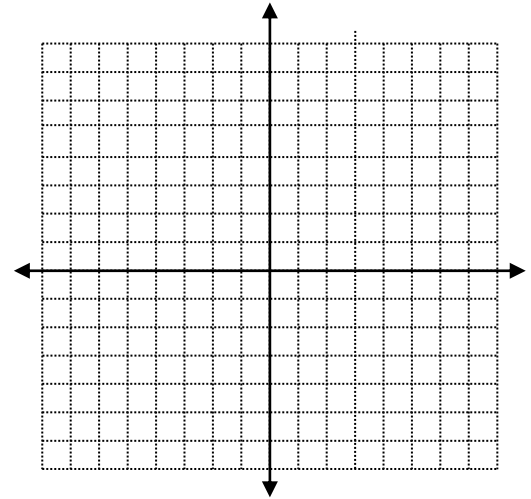
Monday-

Donovan wants to hold a bake sale in order to buy Ms. Davis a gift. He wants to buy her a gift that costs \$12. To make the money, he plans to sell cookies for \$2 each and cupcakes for \$3 each.

- What does Donovan have to sell in order to meet his goal?

x - intercept

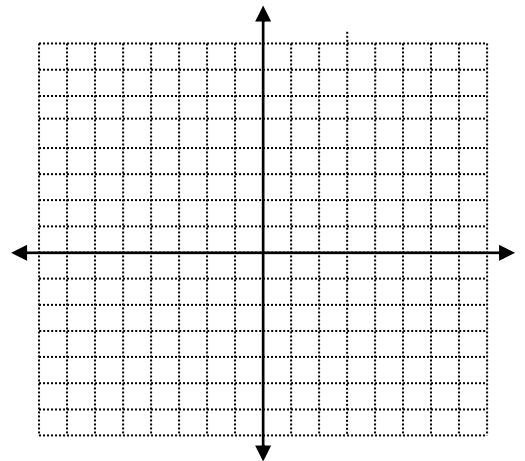
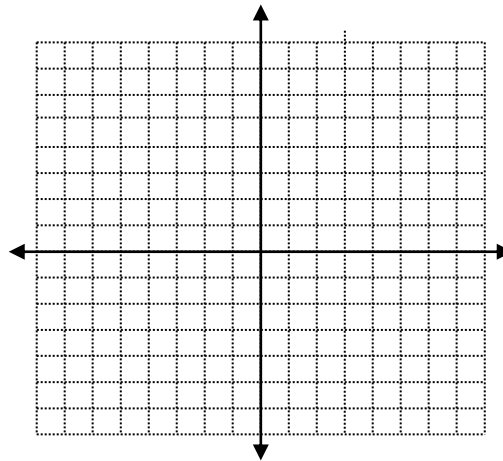
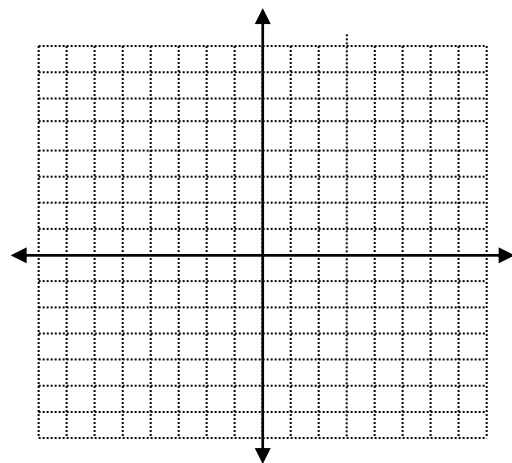
y - intercept



$$-5x + 3y = 15$$

$$x + 4y = 16$$

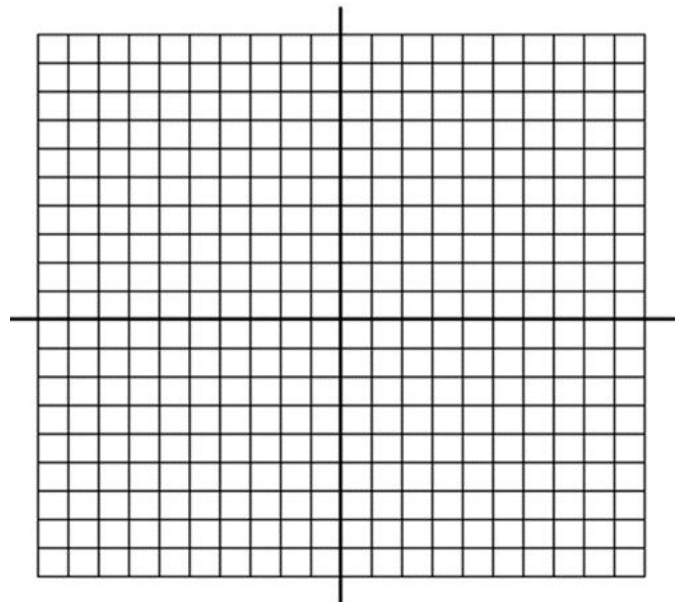
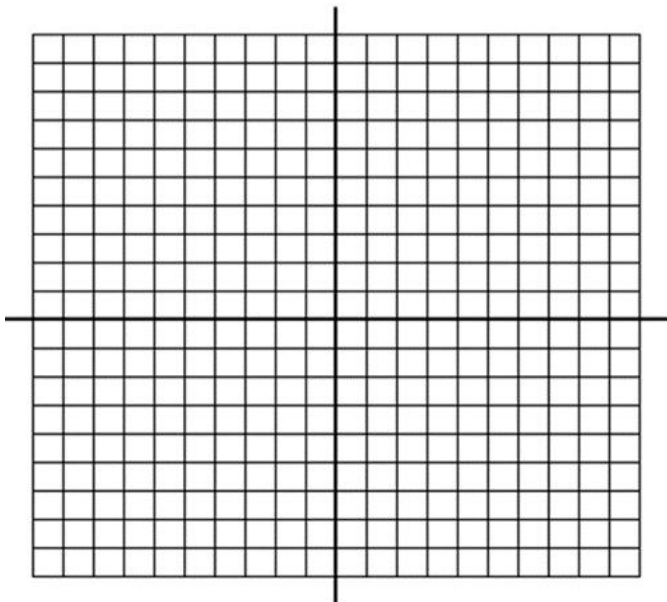
$$8x - 4y = 24$$



Tuesday-

1. Graph the line $7x + 4y = 28$ by finding the intercepts.

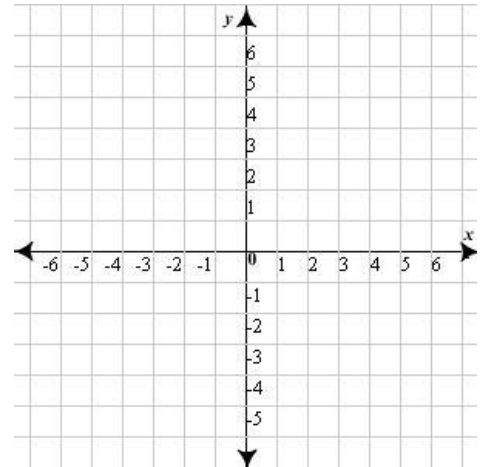
2. Graph the line $4x - 6y = 12$ by solving for y.



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Wednesday-

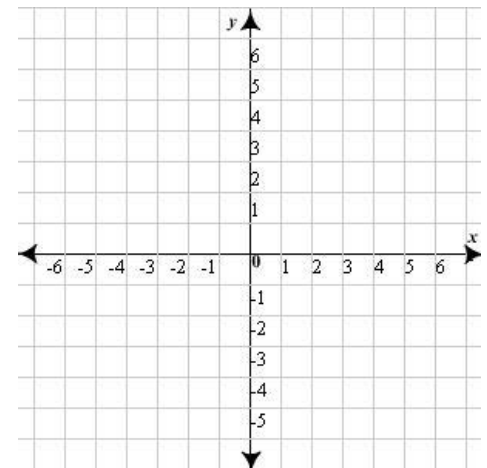
- 1) Write an equation of a line that would be parallel to $y = 5x - 9$?
- 2) Write an equation of a line that would be perpendicular to $y = -x - 8$?
- 3) Write an equation of a line that would be parallel to: $2x - 5y = 10$?



You can use this graph to check your answers, but it is optional.

Thursday-

- 1) Write the equation of a line that is parallel to the line $y = 2x + 3$, and that passes through the point (1, 5).
- 2) Write the equation of a line that is perpendicular to the line $y = 2x + 3$, and that passes through the point (1, 5).
- 3) Write the equation of a line that is perpendicular to the line $2x + 3y = 6$, and that passes through the point (2, 4).



You can use this graph to check your answers, but it is optional.

Friday- Catch up day! No homework.

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