

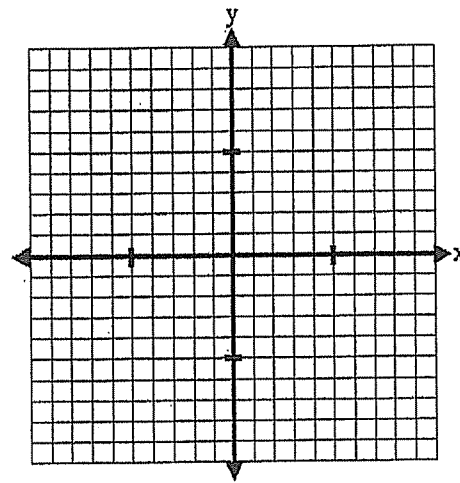
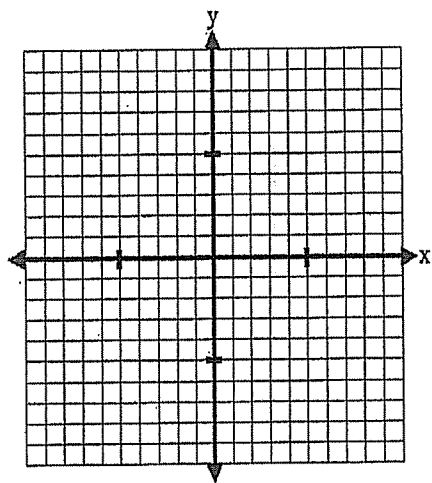
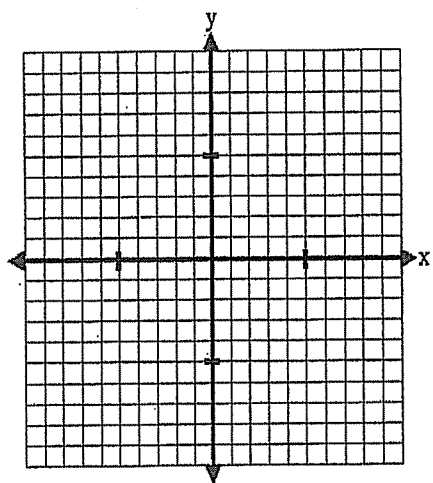
Unit 3 Part 1 Day 2 Continued

Graph the following equations by putting them into Slope-Intercept form.

1. $-6x + 3y = -9$

2. $8x - 4y = 12$

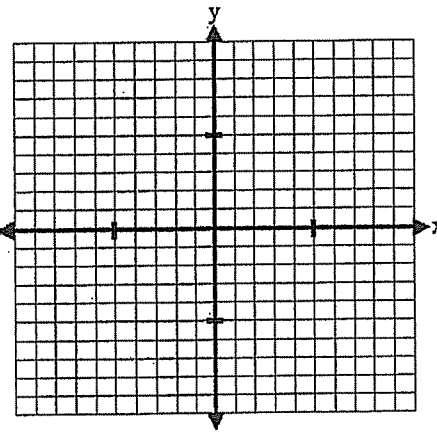
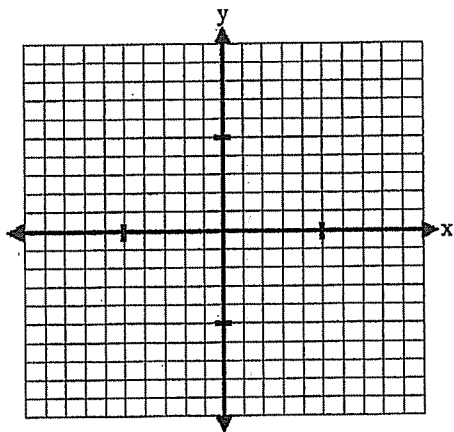
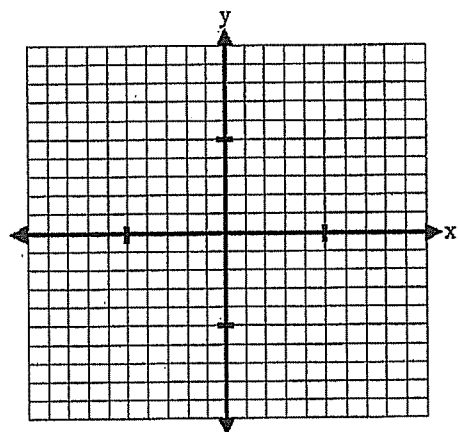
3. $-3x - 6y = 18$



4. $4x - 6y = 12$

5. $6x + 8y = 16$

6. $4x - 10y = -20$



Graph the following equations by finding the x and y-intercepts.

7. $-6x + 3y = -9$

x-intercept

y-intercept

8. $8x - 4y = 12$

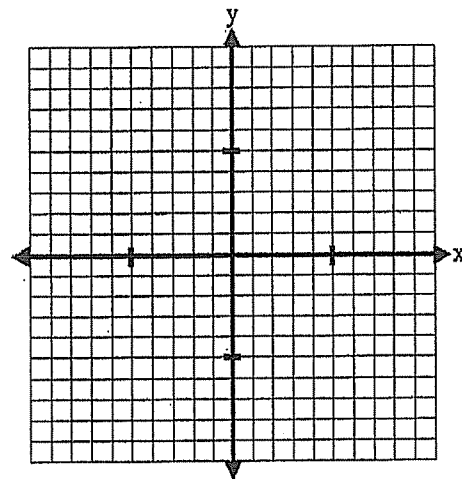
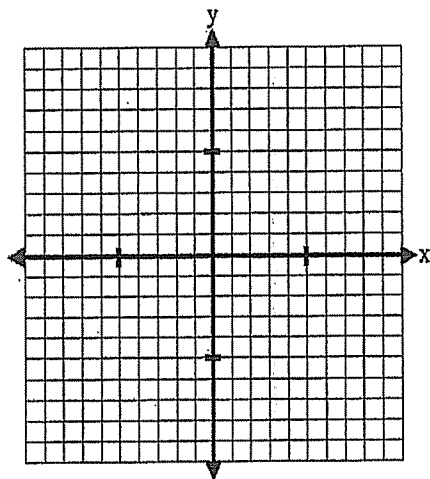
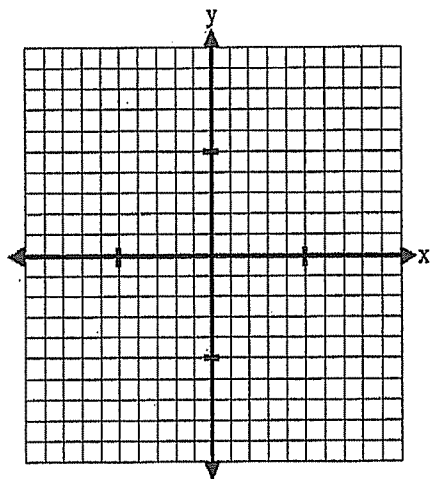
x-intercept

y-intercept

9. $-3x - 6y = 18$

x-intercept

y-intercept



10. $4x - 6y = 12$

x-intercept

y-intercept

11. $6x + 8y = 16$

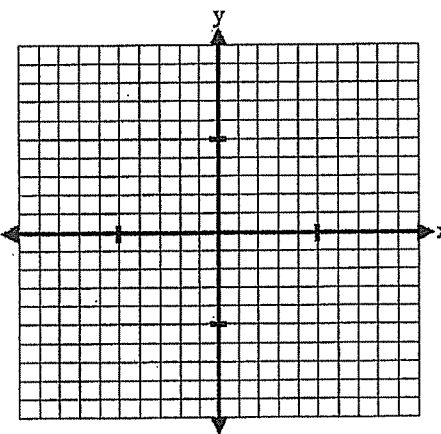
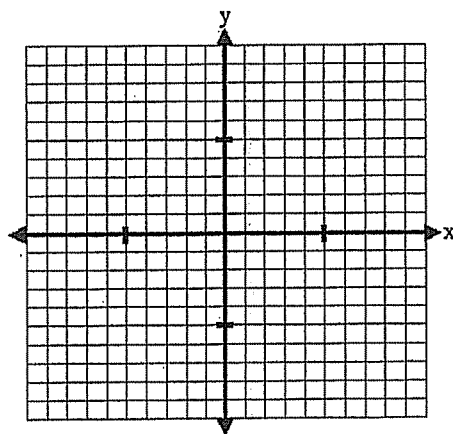
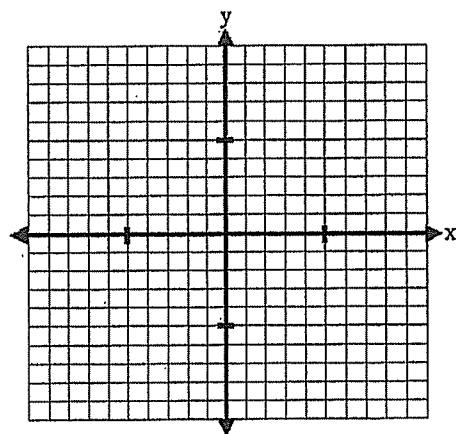
x-intercept

y-intercept

12. $4x - 10y = -20$

x-intercept

y-intercept



Mr. Reif takes out a loan from his buddy, Mr. Dutton, in order to go to an Illinois basketball game. He tells him that he will use the following equation to pay back the loan, where x represents days and y represents amount he owes.

$$12x + 6y = 60$$

a) Use what you know about manipulating equations to write this equation in Slope-Intercept form.

b) What is the slope?

What is the y-intercept?

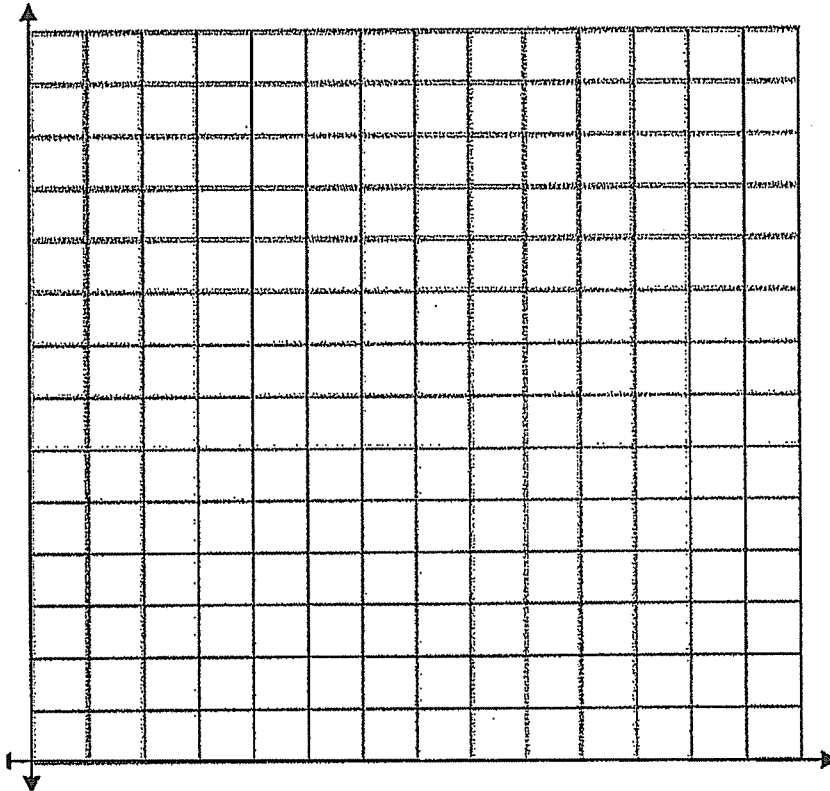
c) Graph the equation below.

d) Use what you know about equations to find the x-and y-intercepts of this equation.

e) What is the x-intercept?

What is the y-intercept?

f) Graph this information below. What do you notice?



g) How much did Mr. Reif borrow?

How long does it take him to pay it back?

h) At what rate is Mr. Reif repaying the money?