Practice 5.5 B

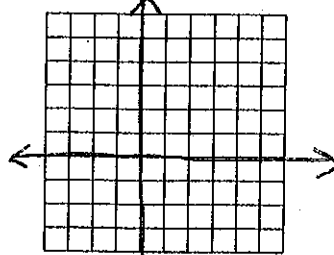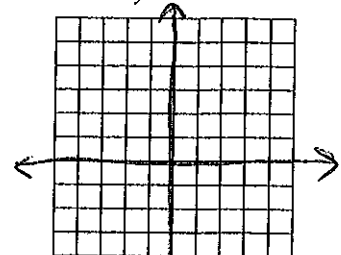**Graph each equation using x- and y-intercepts.**

1. $x + y = 6$
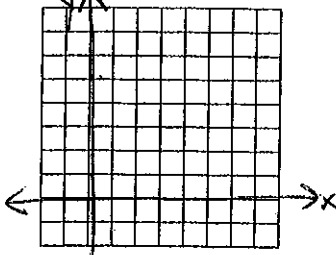
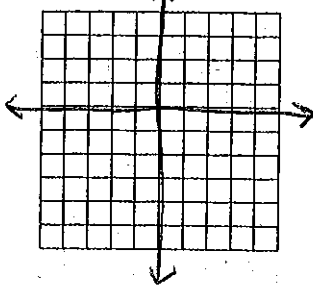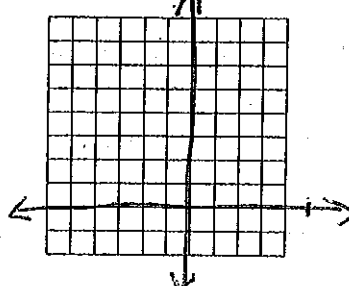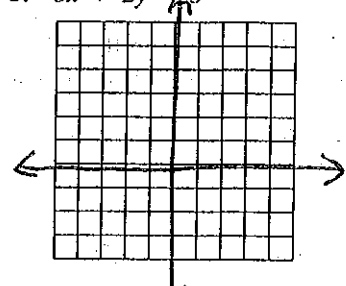
2. $-2x + 3y = 6$

3. $3x + 4y = 12$

4. $y = -5$

5. $x = 6$

6. $5x + 2y = -5$

Write each equation in standard form using integers.

7. $y = 2x - 7$

8. $y = 3x - 7$

9. $y = -5x - 8$

10. $y = 6x - 24$

11. $y = \frac{7}{2}x - 11$

12. $y = \frac{5}{2}x + \frac{25}{2}$

13. $y = -\frac{x}{5} + \frac{2}{5}$

14. $y = -4x - 20$

Write the equation for the line with the given info in STANDARD FORM

15. $m = -2$ $(5,6)$

16. $(2,-5)$ & $(8,1)$

17. You have $50 to spend on cold cuts for a party. Ham costs $5.99/lb, and turkey costs $4.99/lb. Write an equation in standard form to relate the number of pounds of each kind of meat you could buy.

18. A baker buys $70 worth of flour and sugar for the bakery. A bag of flour costs $5, and a bag of sugar costs $7.

   a. Write an equation to find the number of bags of each type the baker can buy.

   b. Graph your equation.
      (Find. Intercepts)
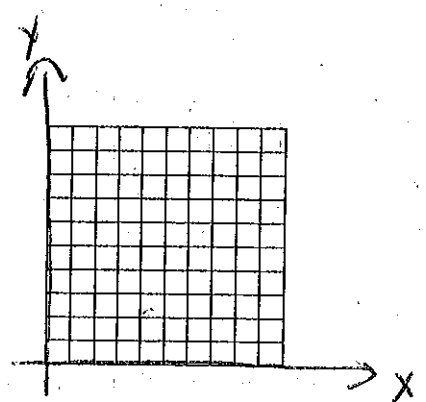
19. The drama club is performing a musical. Tickets cost $5 for adults and $3 for students. The drama club wants to raise $450.

   a. Write an equation to find the number of each type of ticket they should sell.

   b. Graph your equation. (Find Intercepts)
   c. Use your graph to find two different combinations of tickets sold.