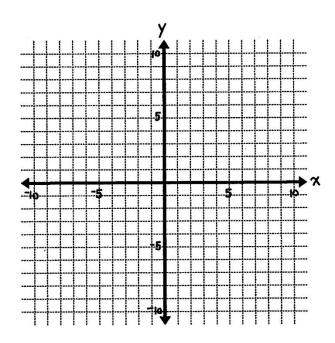
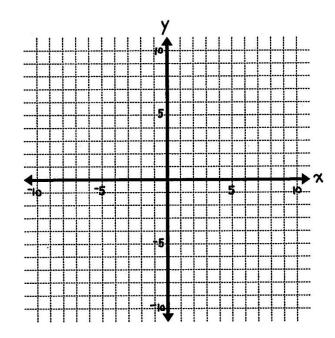
## **Chapter 5 Review**

Solve the systems of linear equations by graphing.

$$1) \quad y = -2x + 3$$
$$y = 4x - 3$$

$$3y = -9x + 9$$
$$4y + 8x = 4$$





Solve the systems of linear equations by substitution.

$$3) \quad y = -3x - 7$$
$$y = x + 9$$

$$4) \quad x = y + 1$$
$$x + 3y = 13$$

$$5) \quad x + 2y = -8$$
$$y = 2x + 16$$

$$6) \quad -x + 5y = 28$$
$$x + 3y = 20$$

Solve the system of linear equations by elimination.

$$7) \quad x + 4y = 4$$
$$-x + 2y = 8$$

$$y = -9x + 2$$
$$y = -3x - 4$$

9) 
$$-10x + 5y = 30$$
$$-2x + 2y = 6$$

10) 
$$3x+18y=12$$
  
 $2x+8y=6$ 

11) The table shows the purchases made by two customers at a meat counter. Determine from the table the amount that a slice of turkey and ham would cost.

	Sliced Turkey (pounds)	Sliced Ham (pounds)	Total Cost
Customer 1	4	1	\$8
Customer 2	2	4	\$11

12) A candle shop sells scented candles for \$16 each and unscented candles for \$10 each. The shop sells 28 candles today and makes \$400. How many scented candles did the shop sell today? How many unscented candles did the shop sell today?

13) You and your friend are in line behind each other at Pizza My Heart. Your friend's family gets 2 slices of pizza and 3 salads for \$22. Your family gets 3 slices of pizza and 2 salads for \$20.50. How much is a slice of pizza? How much is a salad?