

## Solving Systems of Linear Equations Graphically

Directions: For questions 1 and 2, determine whether the ordered pair is a solution to the system of linear equations.

1.  $(2, 4)$

$$2x + y = 8$$

$$y - x = 2$$

2.  $(2, 7)$

$$3x + y = 13$$

$$x + 6y = -7$$

Directions: For questions 3 through 6, solve the system of linear equations graphically.

3.  $y = -2x + 3$

$$y = \frac{1}{2}x + 3$$

4.  $4x + 3y = 27$

$$-2x + y = -1$$

5.  $2y - 4x = -2$

$$2x - y = 1$$

6.  $4x - 5y = 10$

$$-8x + 10y = 30$$