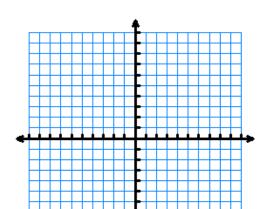
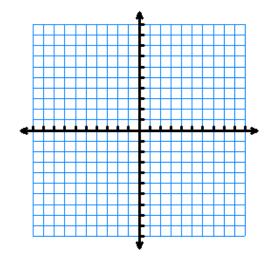
Solve the system graphically. Find the points of intersection, if any.

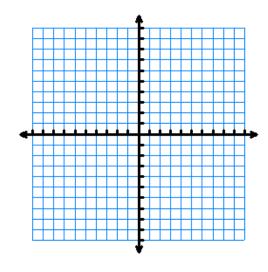
1.
$$x^2 + y^2 = 5$$
$$y = -2x$$



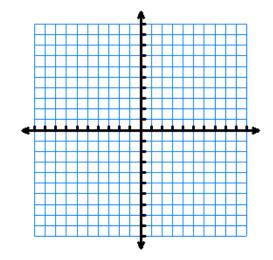
2.
$$x^2 + y^2 = 49$$
$$y = x - 7$$



3.
$$(x-1)^2 + y^2 = 9$$
$$y = 3$$



4.
$$(x+3)^2 + (y-1)^2 = 1$$
$$x-3y=3$$



Solve the system algebraically.

5.
$$x^2 + y^2 = 18$$
$$x - y = 0$$

6.
$$x^2 + y^2 = 25$$
$$y = x + 1$$

7.
$$x^2 - 2x + y^2 - 2y = 2$$
$$x + y = 4$$

8.
$$x^2 + y^2 - 4x - 6y = -9$$
$$x + y = 1$$