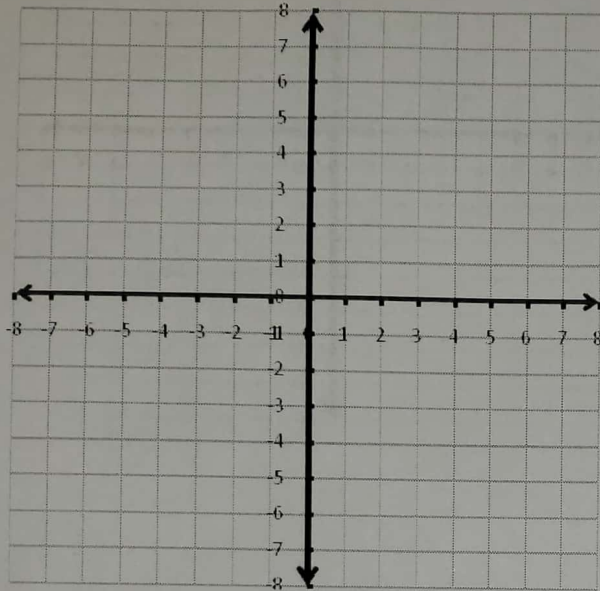


### Solving Systems of Linear Equations by Graphing—5.1

Solve each system of linear equations by graphing. If the system has one solution, find it. If the system has no solution, state so. If the system has an infinite number of solutions, state what these solutions are.

1. 
$$y = 2x + 5$$
$$x + y = -7$$



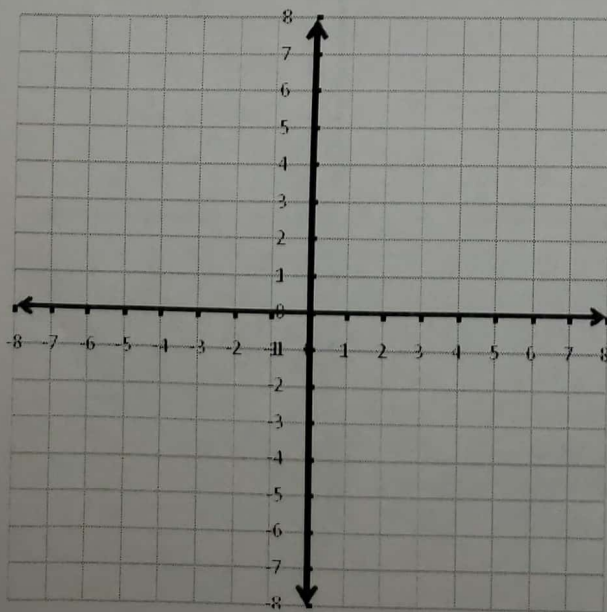
*Description of the graph:*

*Characteristics of lines:*

*Type of system:*

*Answer:*

2. 
$$4x + 2y = 8$$
$$3x - y = 1$$



*Description of the graph:*

*Characteristics of lines:*

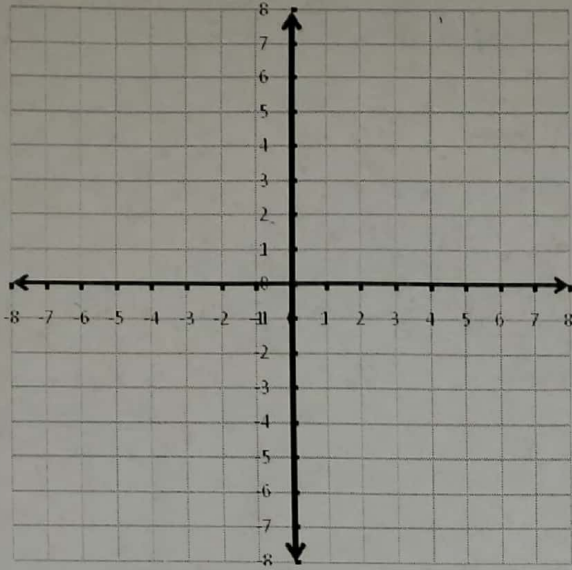
*Type of system:*

*Answer:*

3.

$$y + 4x = -1$$

$$8x + 2y = 6$$



*Description of the graph:*

*Characteristics of lines:*

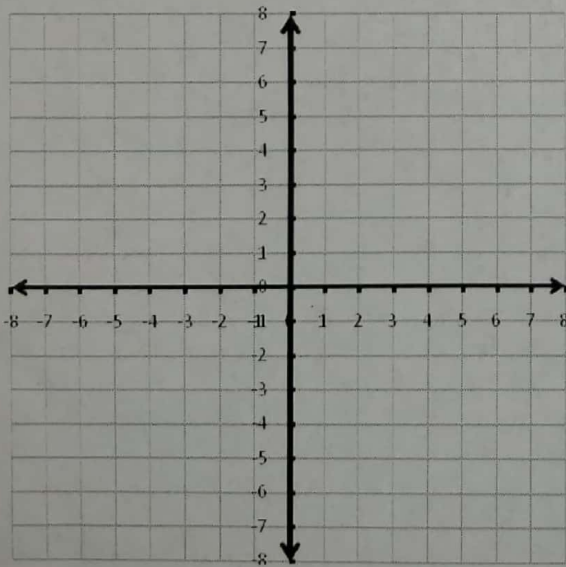
*Type of system:*

*Answer:*

4.

$$-6x + 4 = 2y$$

$$2 - y = 3x$$



*Description of the graph:*

*Characteristics of lines:*

*Type of system:*

*Answer:*