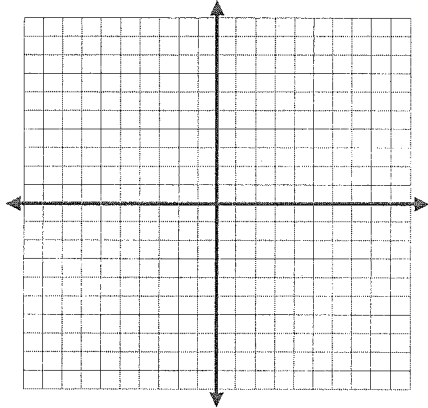


Sketch the type of system described. Give the solution of the system. Describe the two lines.

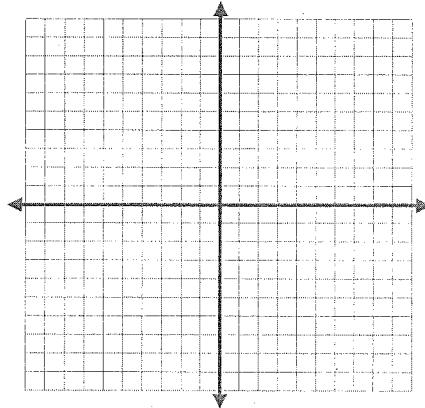
1. Consistent and Independent



Solution:

Describe the two lines:

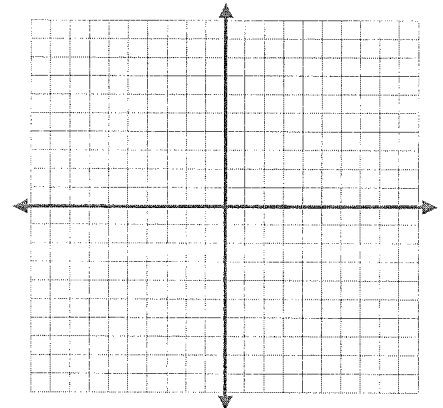
2. Consistent and Dependent



Solution:

Describe the two lines:

3. Inconsistent

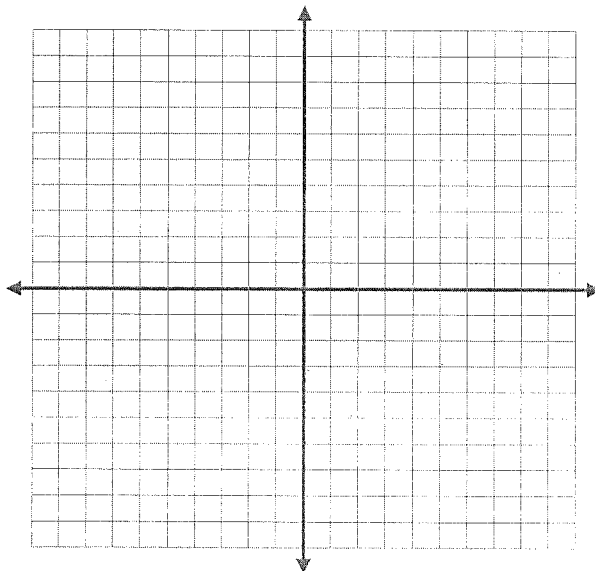


Solution:

Describe the two lines:

Solve the system of linear equations by graphing. Check your answer and state the type of system.

$$4. \begin{cases} 2y = 4x - 2 \\ y = -\frac{1}{2}x + 4 \end{cases}$$



Type:

Check:

Solve the system of linear equations by substitution. Check your answer and state the type of system.

5.
$$\begin{cases} y = 2x - 5 \\ -3x + 4y = -15 \end{cases}$$

Type:

Check:

Solve the system of linear equations by elimination. Check your answer and state the type of system.

6.
$$\begin{cases} 3x - 2y = -16 \\ 6x - 5y = -37 \end{cases}$$

Type:

Check:

7. The difference of two numbers is 3. The sum of the first number and two times the second number is 24. Find the numbers.

