

Name _____

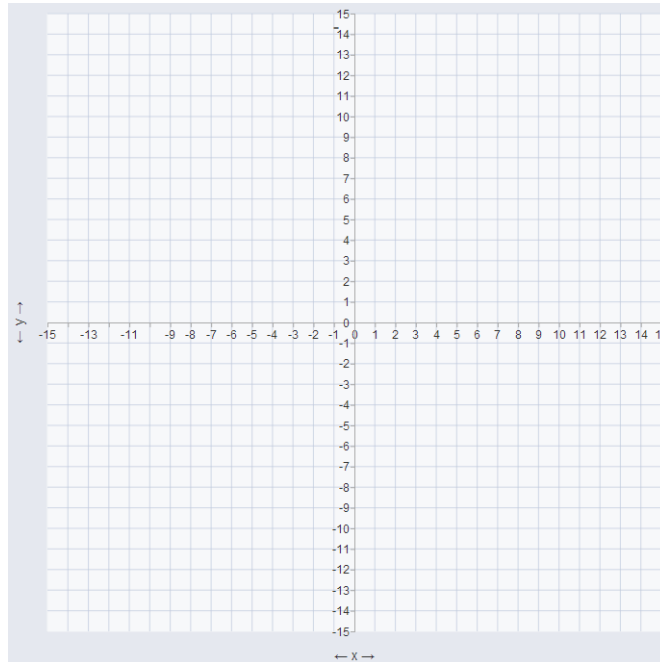
Date _____

Solving Systems of Equations by Graphing
Check-In Activity

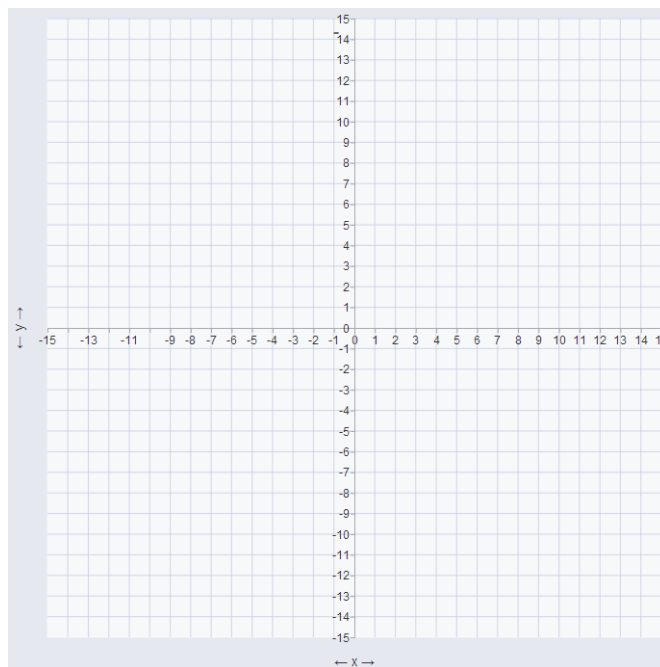
For the following systems of equations:

- Graph the system on the same x-y axes,
- State the solution(s) if any, and
- Classify the system as consistent independent, consistent dependent, or inconsistent.

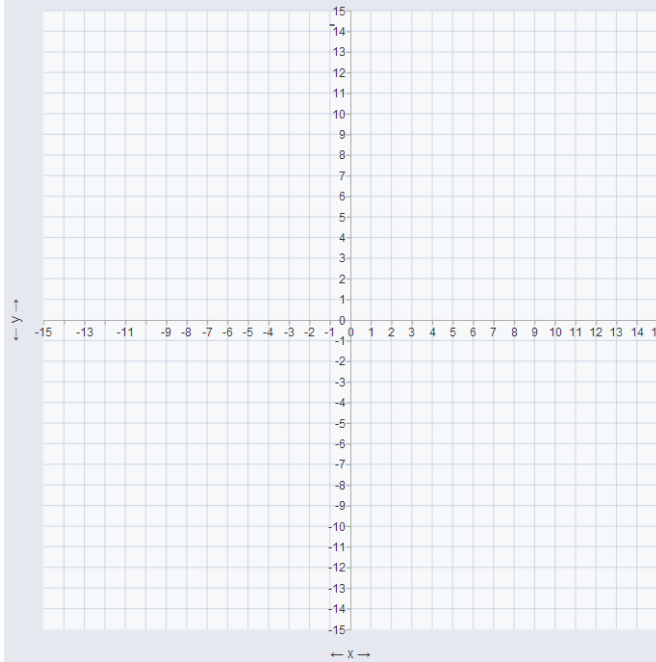
1.
$$\begin{cases} 2y = x - 14 \\ y = \frac{1}{2}x - 7 \end{cases}$$



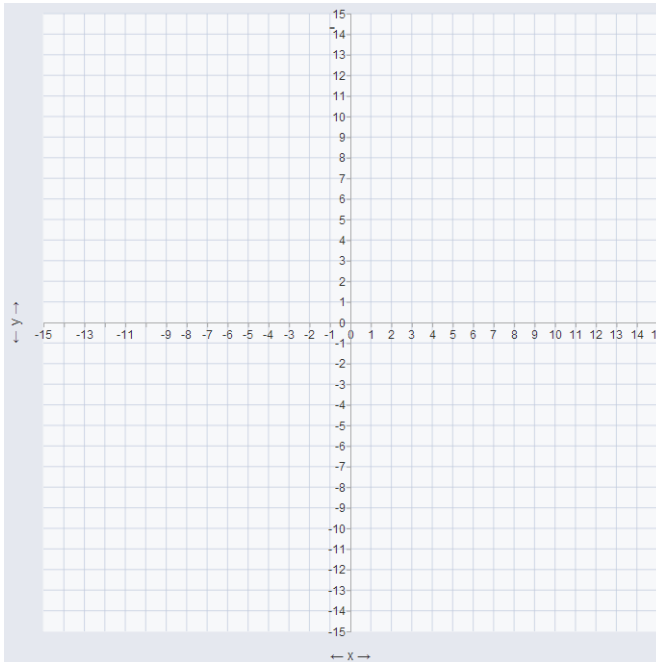
2.
$$\begin{cases} y = 2x - 8 \\ y = -\frac{1}{5}x + 3 \end{cases}$$



3.
$$\begin{cases} y = 4x + 1 \\ 8x - 2y = -6 \end{cases}$$

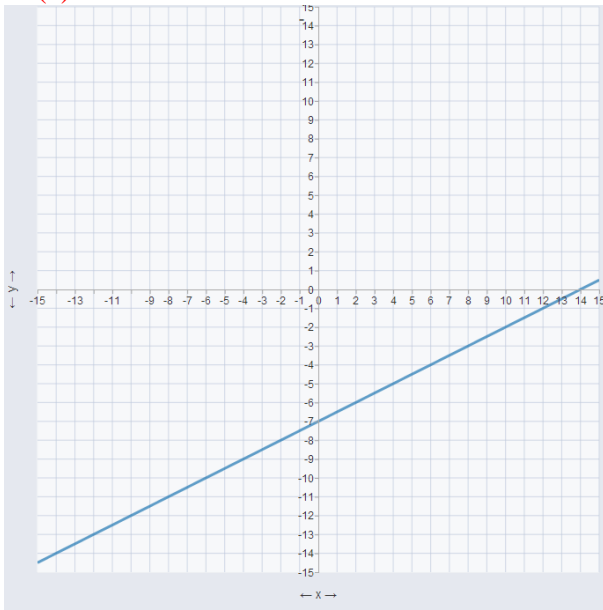


4.
$$\begin{cases} 4x + 3y = -9 \\ -2x - y = 1 \end{cases}$$



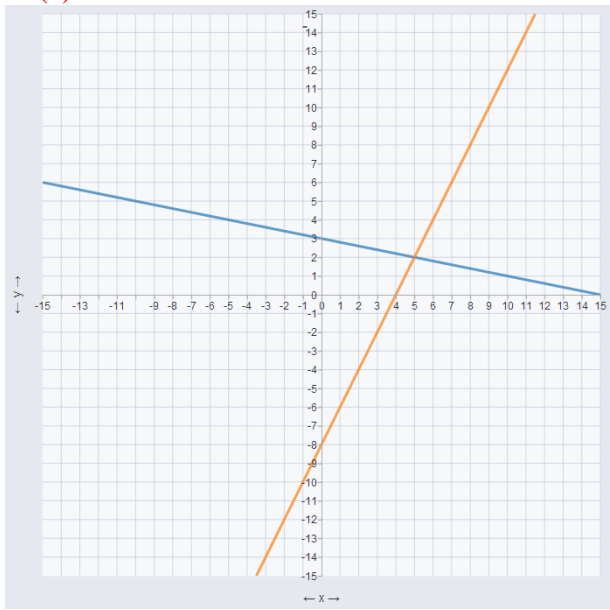
Answer Key:

1. (a)



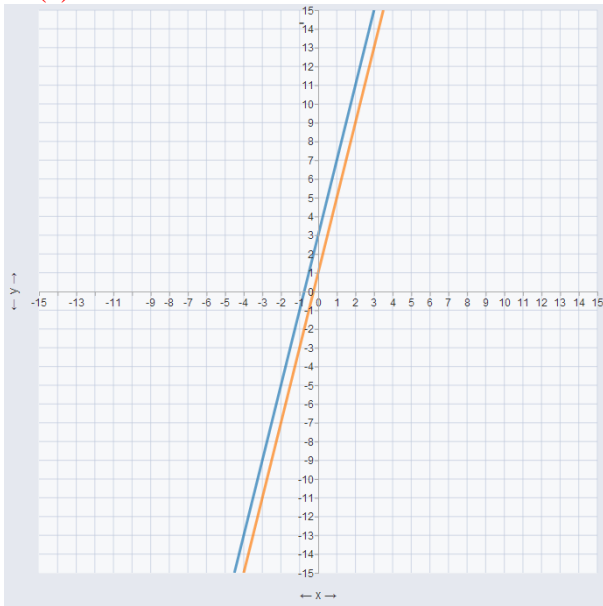
- (b) Infinitely Many Solutions
- (c) Consistent Dependent

2. (a)



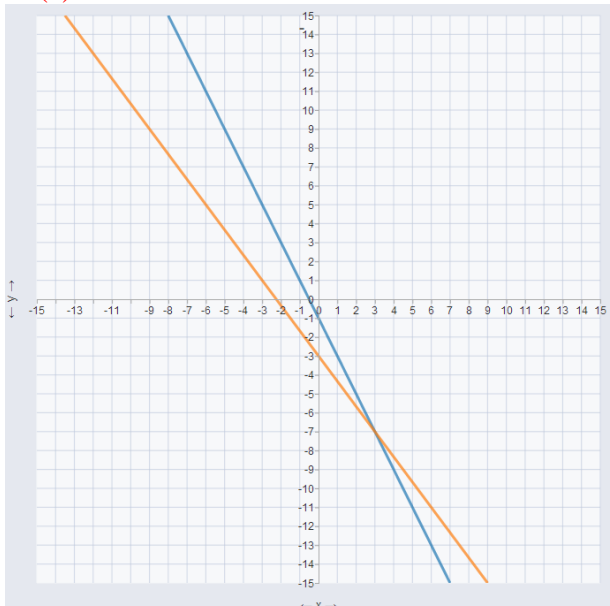
- (b) (5,2)
- (c) Consistent Independent

3. (a)



- (b) No Solution
- (c) Inconsistent

4. (a)



- (b) (3,-7)
- (c) Consistent Independent