

Concept Final #10 Show What You Know About...

Systems of Equations

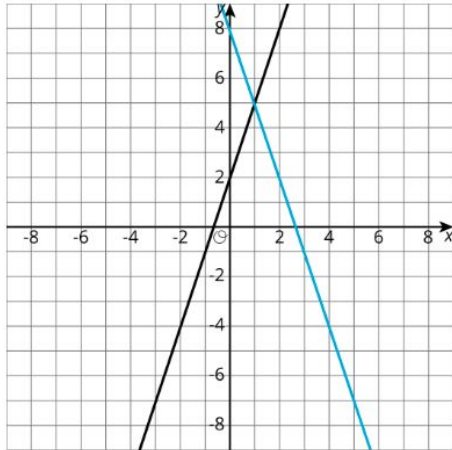
Good Luck To _____

Date _____ Class _____

Show all of your work and thinking for the following questions. ***No calculators*** Use elimination method **ONLY**

1. How many solutions does each system have? Label each system with no solutions, one solution or infinite solutions.

a.



b.
$$\begin{cases} 5x - y = -3 \\ 5x - y = 2 \end{cases}$$

c.
$$\begin{cases} 2x - y = -6 \\ x - y = -3 \end{cases}$$

2. Solve each system of equations. Write your answer as an ordered pair.

a.
$$\begin{cases} -7x - 2y = -13 \\ x - 2y = 11 \end{cases}$$

b.
$$\begin{cases} -6x + 12y = 120 \\ 5x - 6y = -48 \end{cases}$$