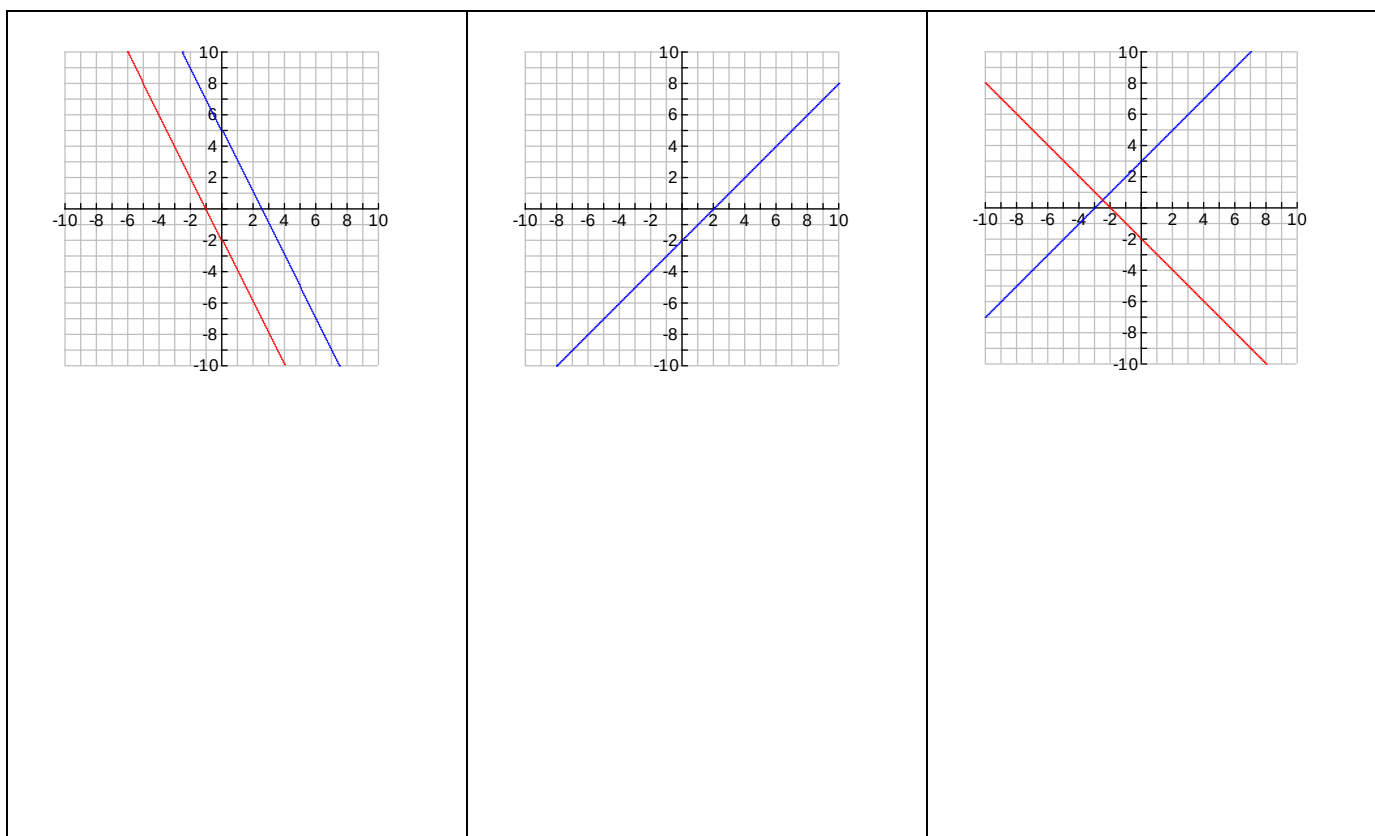


Determine whether each system graphed below has one solution, no solution, and infinite number of solutions.



Determine the number of solutions for each system.

1. $y = 3x + 7$ $y = 2x - 5$	2. $y = 2x - 5$ $y = 2x + 10$	3. $2y = 8 - 7x$ $4y = 16 - 14x$
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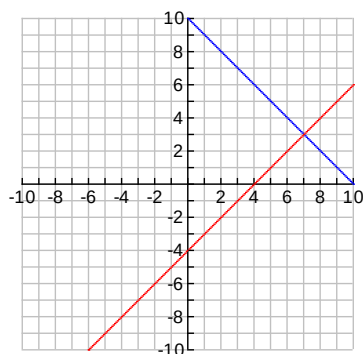
Read the solution set of each system of equations from its graph.

Check by substituting in to both equations.

1.

$$x + y = 10$$

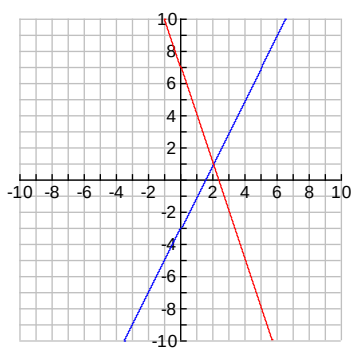
$$x - y = 4$$



2.

$$2x - y = 3$$

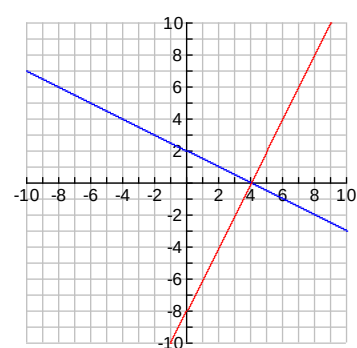
$$3x + y = 7$$



3.

$$x + 2y = 4$$

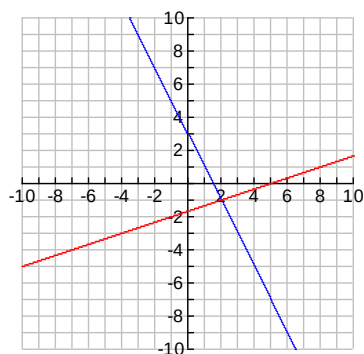
$$2x - y = 8$$



4.

$$2x + y = 3$$

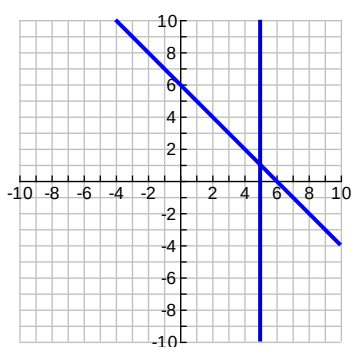
$$x - 3y = 5$$



5.

$$x + y = 6$$

$$x = 5$$



6.

$$x = -3$$

$$y = 2$$

