

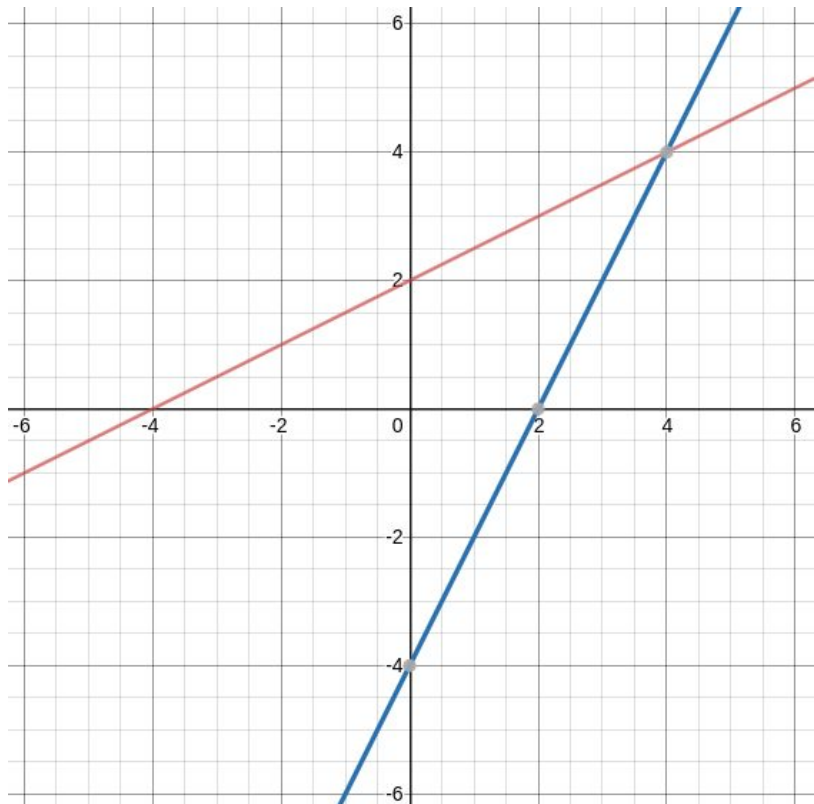
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# Quiz - Number of Solutions

## Math 10 - Chapter 8

What is the solution to the system of linear equations?

Write the equation of each line in slope intercept form.



Explain how a system of linear equations can have exactly;

- a) Zero solutions
- b) One solution
- c) Two solutions
- d) Infinite solutions

The grass on one sod farm is 6 cm high. The grass grows at a rate of 1.5 cm/week. The grass on another farm is 4 cm high. It grows at a rate of 2 cm/week.

- a) Write a system of linear equations to model the growth of the grass on each farm.
- b) Represent the linear system graphically
- c) Use the graph to describe the growth of the grass on each farm. What does the point of intersection represent?

