Name_____

Date_____ Period:_____

4-5 Intro to System of Equations Practice

1. Consider the following system of equations.

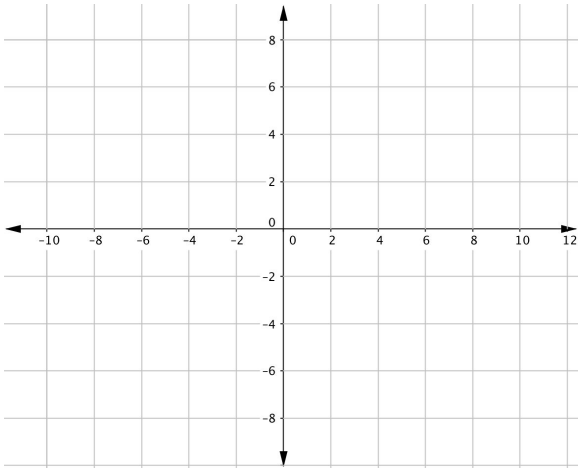
Line 1: $3x + y = 6$
Line 2: $3x - y = 6$

Part A: Rearrange each equation into slope-intercept form.

Line 1: _____

Line 2: _____

Part B: Graph the system of equations below.



Part C: What is the solution to the system of equations?

Part D: Explain how you know it is the solution.

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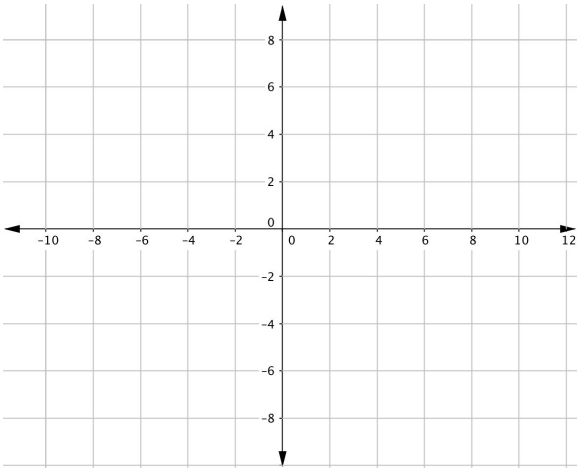

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2. Consider the following system of equations.

Line 1: $x + y = -2$
Line 2: $3x - y = 2$

Part A: The ordered pair $(-4, 2)$ is a solution to

- O Line 1
- O Line 2
- O The system of equations

Part B: The ordered pair $(2, 4)$ is a solution to

- O Line 1
- O Line 2
- O The system of equations

Part C: The ordered pair $(0, -2)$ is a solution to

- O Line 1
- O Line 2
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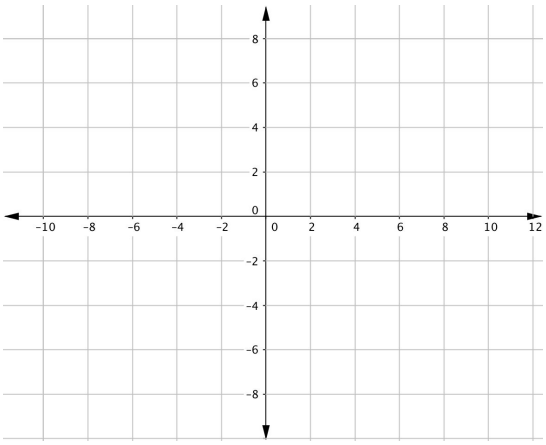
Part D: What does the solution to this system of equations represent?

Part E: Sketch the graph of the system.



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