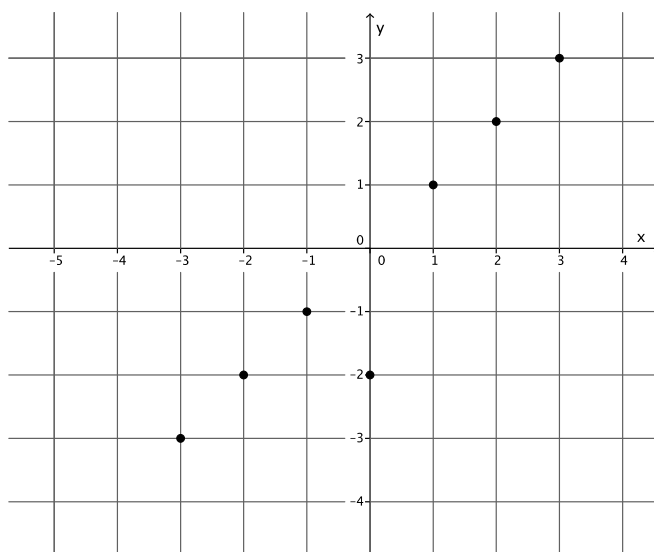


Lesson Summary

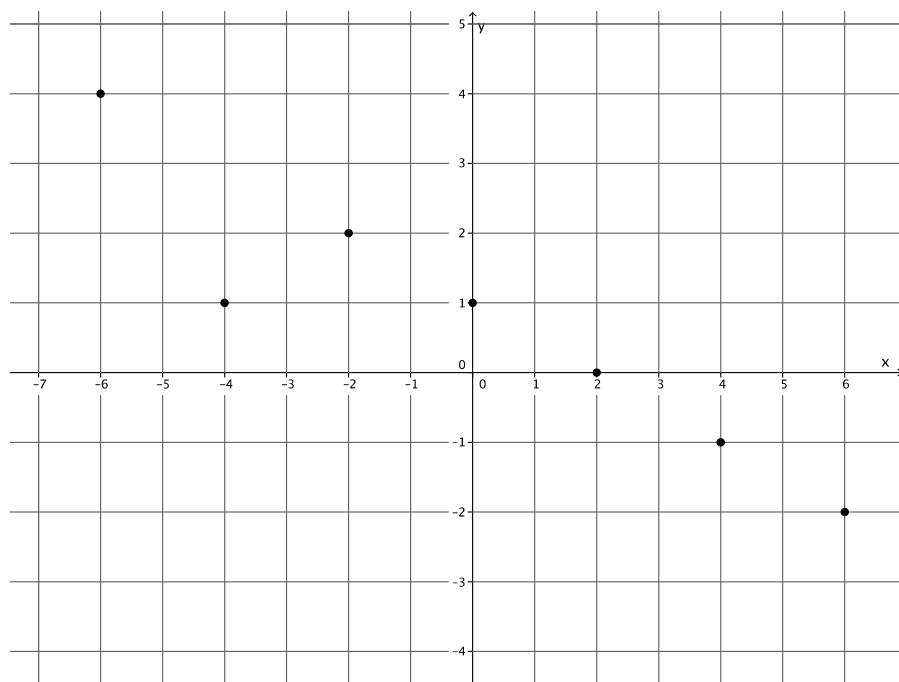
One way to determine if a given point is on the graph of a linear equation is by checking to see if it is a solution to the equation. Note that all graphs of linear equations appear to be lines.

Problem Set

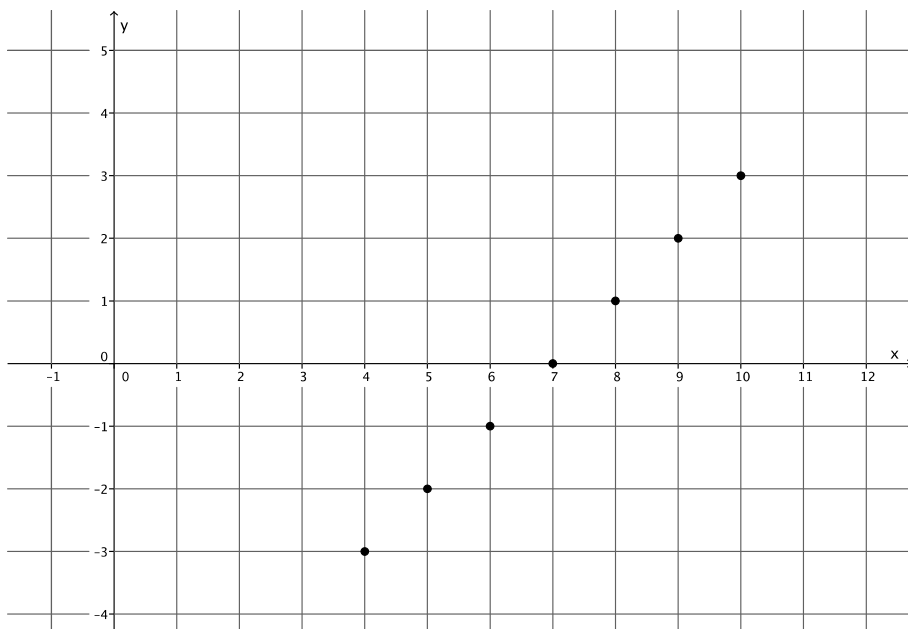
- Find at least ten solutions to the linear equation $\frac{1}{2}x + y = 5$, and plot the points on a coordinate plane.
What shape is the graph of the linear equation taking?
- Can the following points be on the graph of the equation $x - y = 0$? Explain.



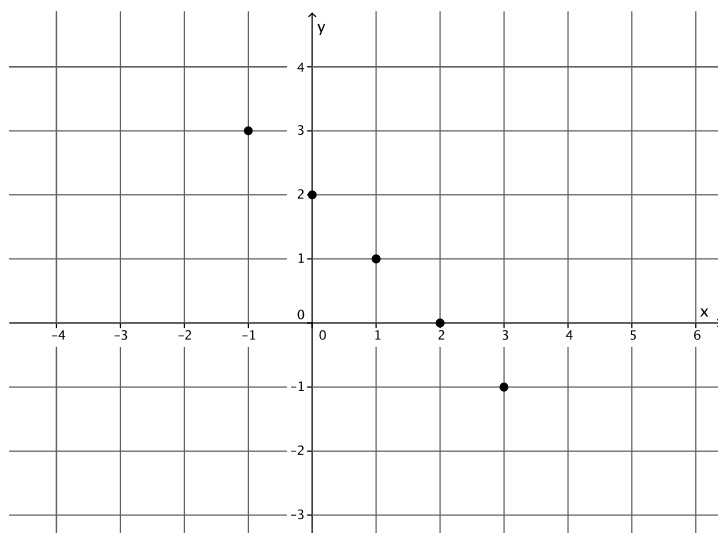
3. Can the following points be on the graph of the equation $x + 2y = 2$? Explain.



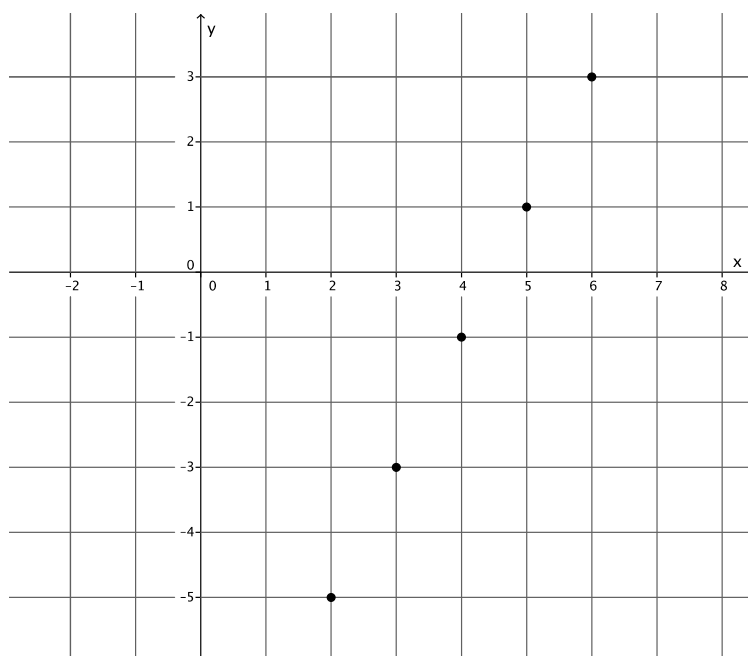
4. Can the following points be on the graph of the equation $x - y = 7$? Explain.



5. Can the following points be on the graph of the equation $x + y = 2$? Explain.



6. Can the following points be on the graph of the equation $2x - y = 9$? Explain.



7. Can the following points be on the graph of the equation $x - y = 1$? Explain.

