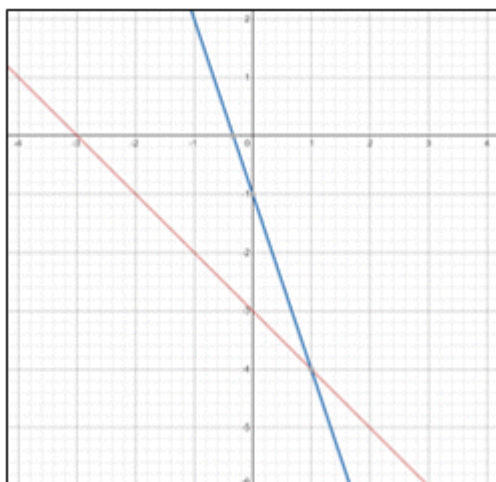


IDENTIFYING THE POINT OF INTERSECTION BETWEEN TWO LINES

Point of Intersection

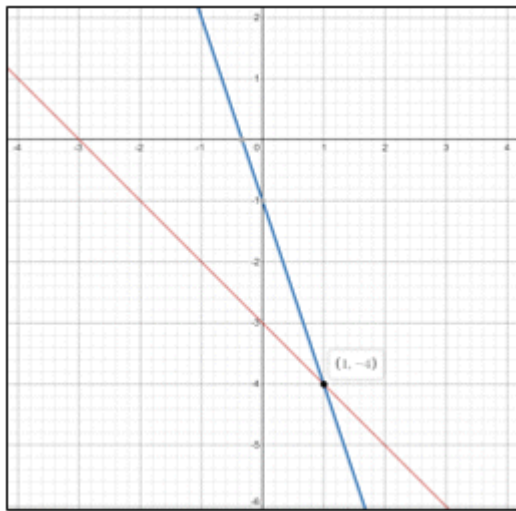
Practice 1.

Find the point of intersection of the two lines.



Solution:

Find the (x, y) coordinates of the point of intersection. The point is 1 unit to the right in the x-direction and 4 units down in the y-direction.



Answer:

Using Desmos

Practice 2.

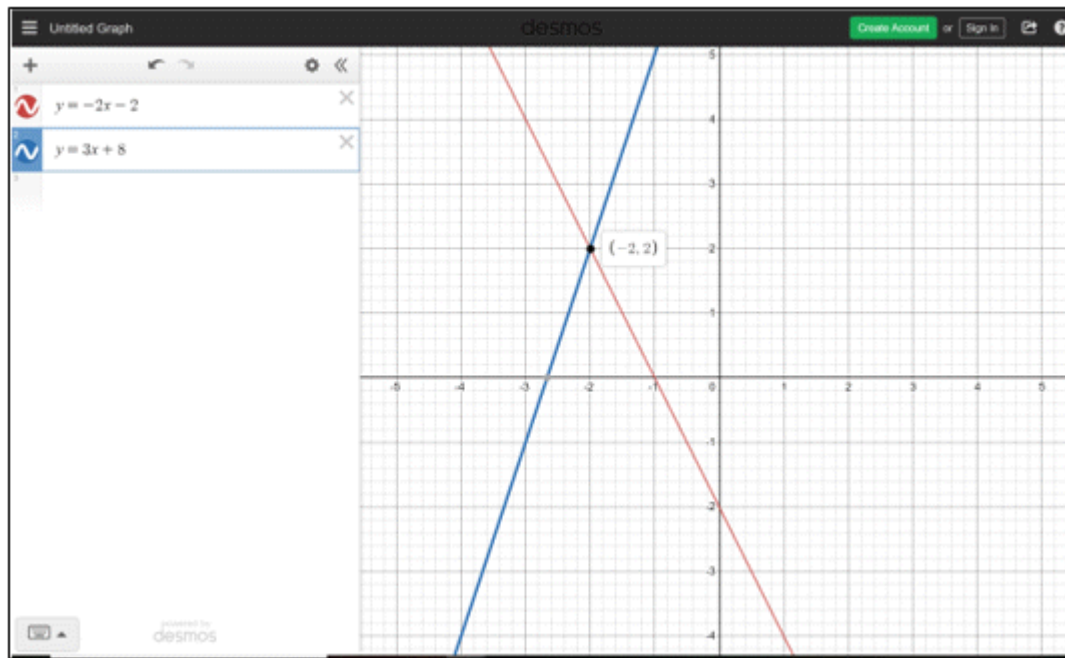
Find the point of intersection of the two lines.

$$y = -2x - 2$$

$$y = 3x + 8$$

Solution:

- 1) Type into a Google search “Desmos Graphing Calculator” and select “Graphing Calculator – Desmos.”
- 2) Type the two equations into equations 1 and 2 on the left side.
- 3) On the graph, click the point where the lines intersect to show the coordinates of the point.



Answer: