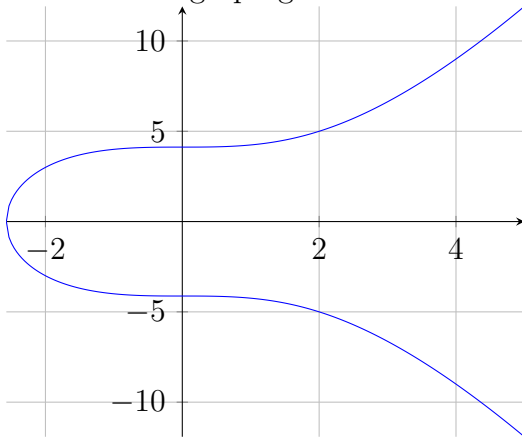


**Quick Hit 3**

Consider the graph given below of the equation  $y^2 = x^3 + 17$ .



1. Draw the graph of  $(2y)^2 = (x - 1)^3 + 17$  on the above axes.
2. Is the point  $(3, -\sqrt{44})$  on the graph of  $y^2 = x^3 + 17$ ?
3. Are there any points on the graph of  $y^2 = x^3 + 17$  with  $x = -3$ ? If so, give me an example of a point with  $x = -3$ . If not, why not?