Complete the table below for quadratic equation $\ y=x^2+3$. Then plot all the points and graph the parabola.

When graphing the parabola use the vertex and one of the other points.





graphing

x = -4 so we get $y = (-4)^2 + 3 = 16 + 3 = 19$ x = -2 so we get $y = (-2)^2 + 3 = 4 + 3 = 7$ x = 0 so we get $y = 0^2 + 3 = 3$ x = 2 so we get $y = 2^2 + 3 = 4 + 3 = 7$ x = 4 so we get $y = 4^2 + 3 = 16 + 3 = 19$ To graph by hand, mark the points and connect them with curved lines.

To graph in MyOpenMath, use the parabola tool. Mark the point (0,3) and then one other point like (2,7).

Rest of the graph gets filled in automatically.





Complete the table using y = |x - 2| - 2. Then plot the points on the graph. Is the function linear?

