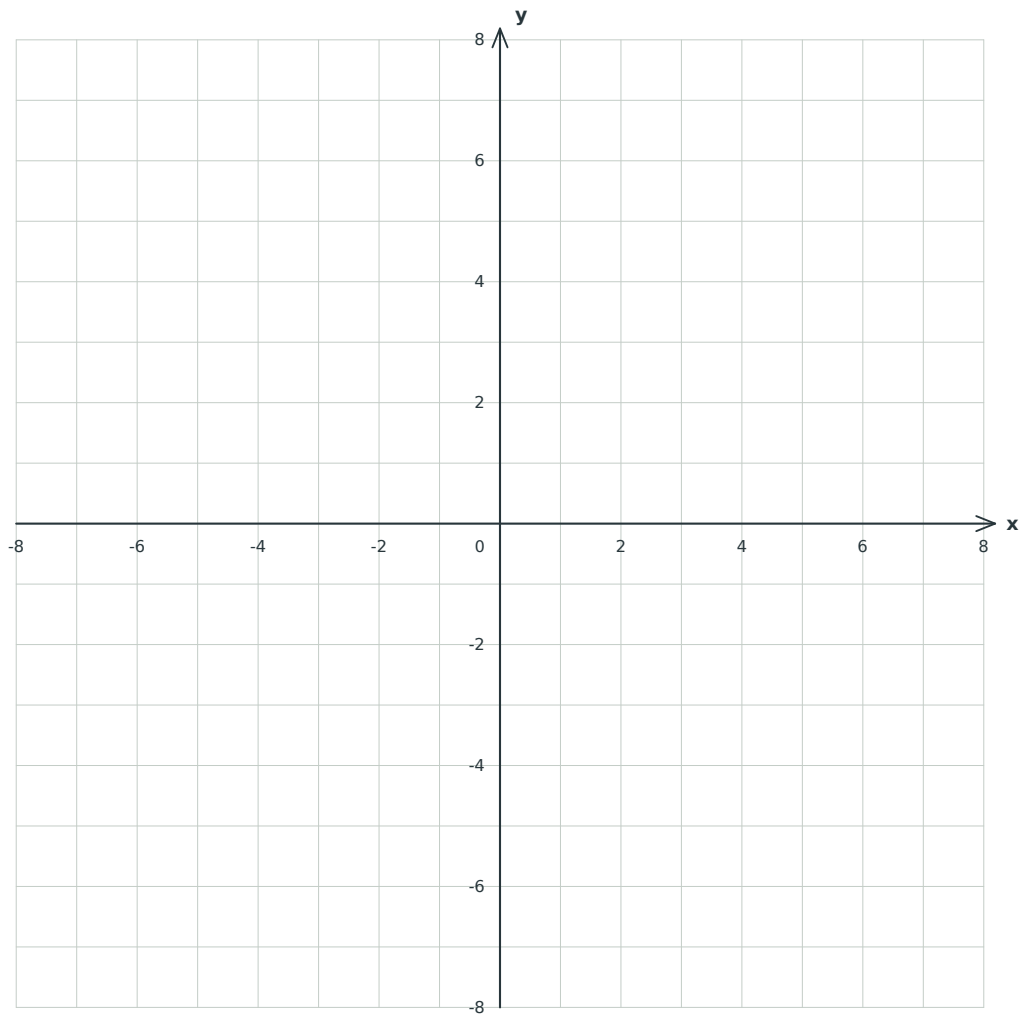


A left and upward shift

Use the vertex and a five-point table to sketch a smooth parabola. The plotted curve is not a chain of straight chords.

$y = 1(x - (-2))^2 + (2)$. Table x values: -4, -3, -2, -1, 0. Every interval is 1 unit.



1. Locate the vertex and symmetry line. _____
2. Calculate and plot the five table points. _____
3. State direction and vertex type. _____