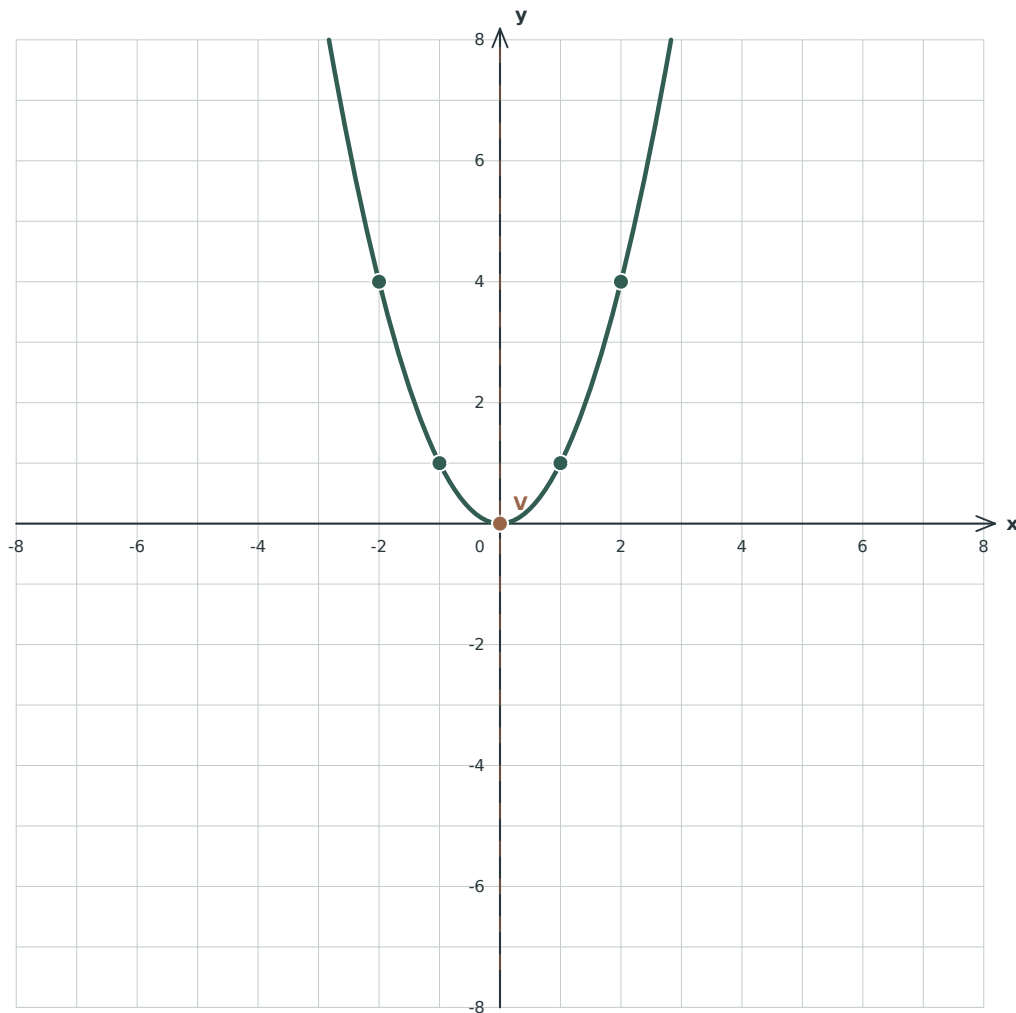


An upward parabola

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

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



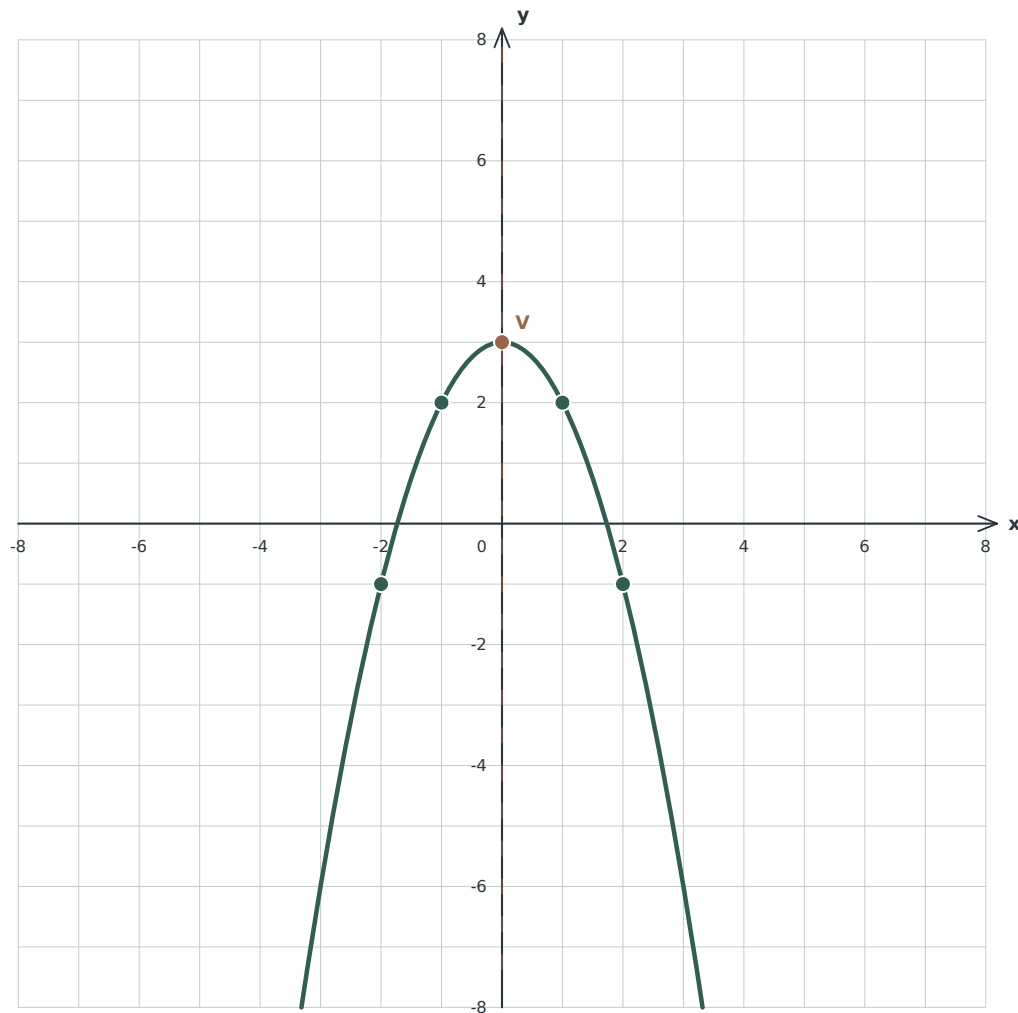
1. Locate the vertex and symmetry line. Compare the completed plot.
2. Calculate and plot the five table points. Compare the completed plot.
3. State direction and vertex type. Compare the completed plot.

Original practice data / coordinate units, not ruler measurements / physical printing not tested

A downward parabola

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

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



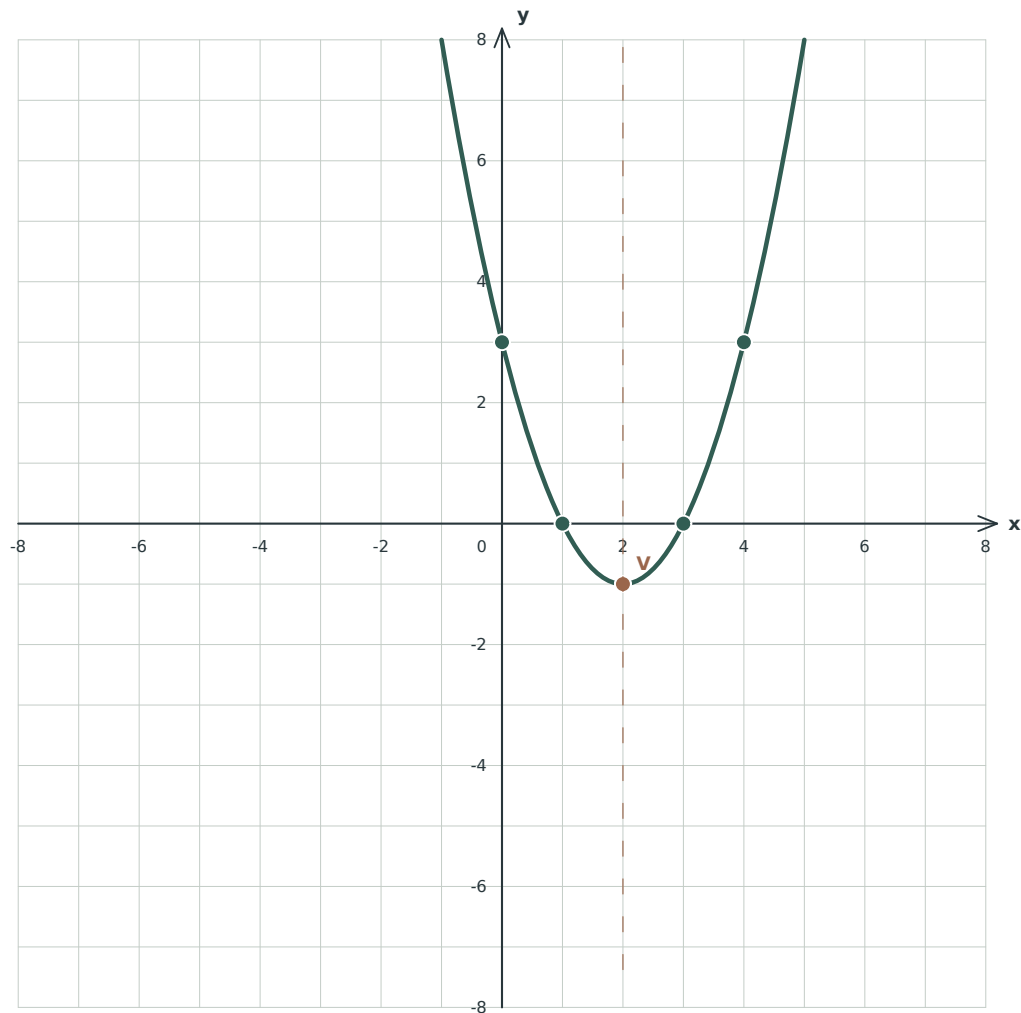
1. Locate the vertex and symmetry line. Compare the completed plot.
2. Calculate and plot the five table points. Compare the completed plot.
3. State direction and vertex type. Compare the completed plot.

Original practice data / coordinate units, not ruler measurements / physical printing not tested

A shifted vertex

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

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



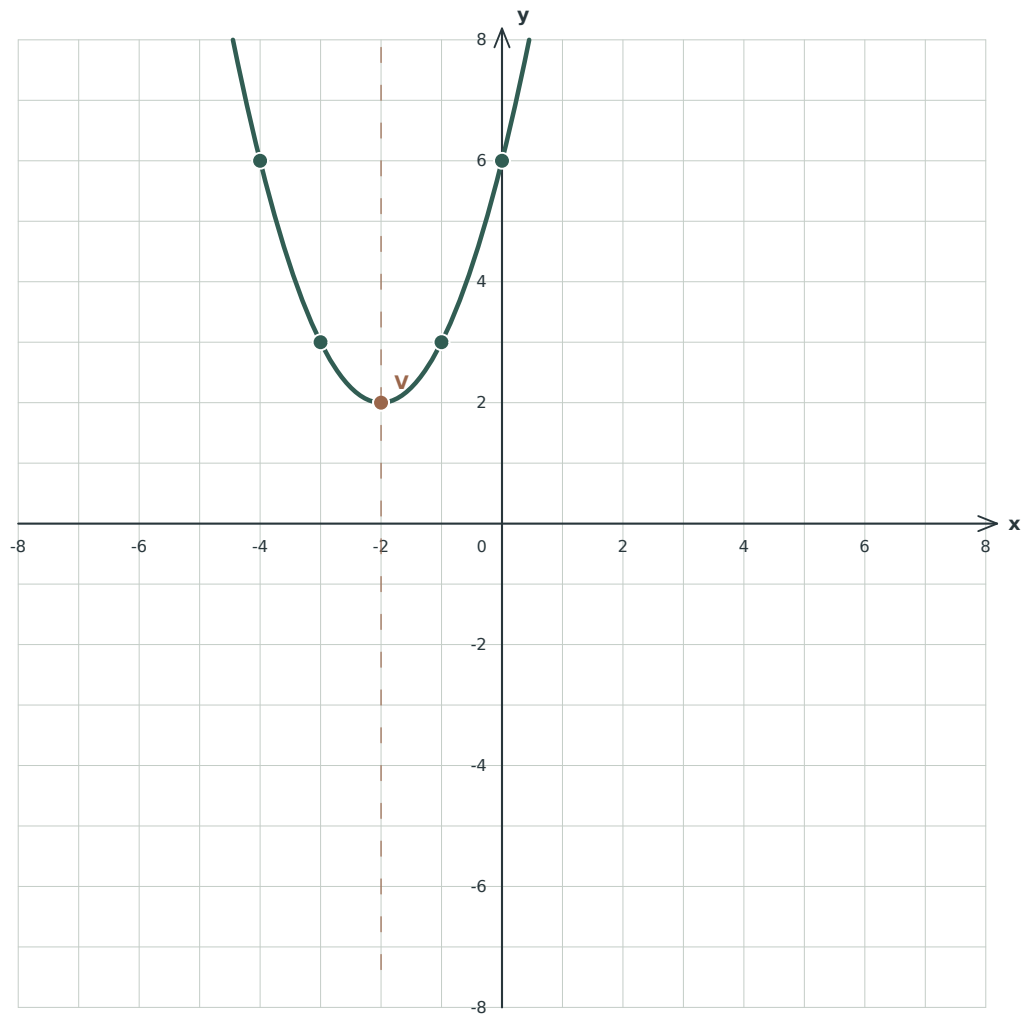
1. Locate the vertex and symmetry line. Compare the completed plot.
2. Calculate and plot the five table points. Compare the completed plot.
3. State direction and vertex type. Compare the completed plot.

Original practice data / coordinate units, not ruler measurements / physical printing not tested

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.



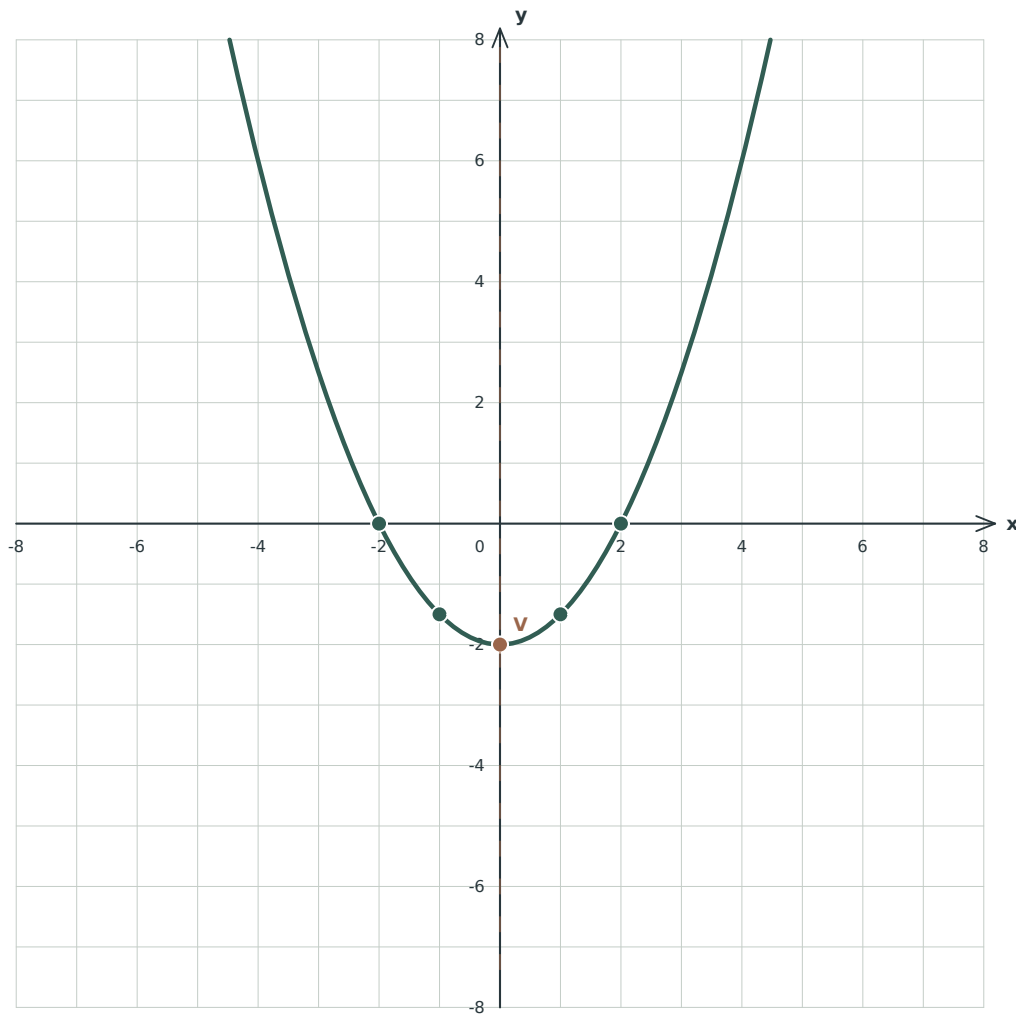
1. Locate the vertex and symmetry line. Compare the completed plot.
2. Calculate and plot the five table points. Compare the completed plot.
3. State direction and vertex type. Compare the completed plot.

Original practice data / coordinate units, not ruler measurements / physical printing not tested

A wider upward parabola

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

$y = \frac{1}{2}(x - 0)^2 + (-2)$. Table x values: -2, -1, 0, 1, 2. Every interval is 1 unit.

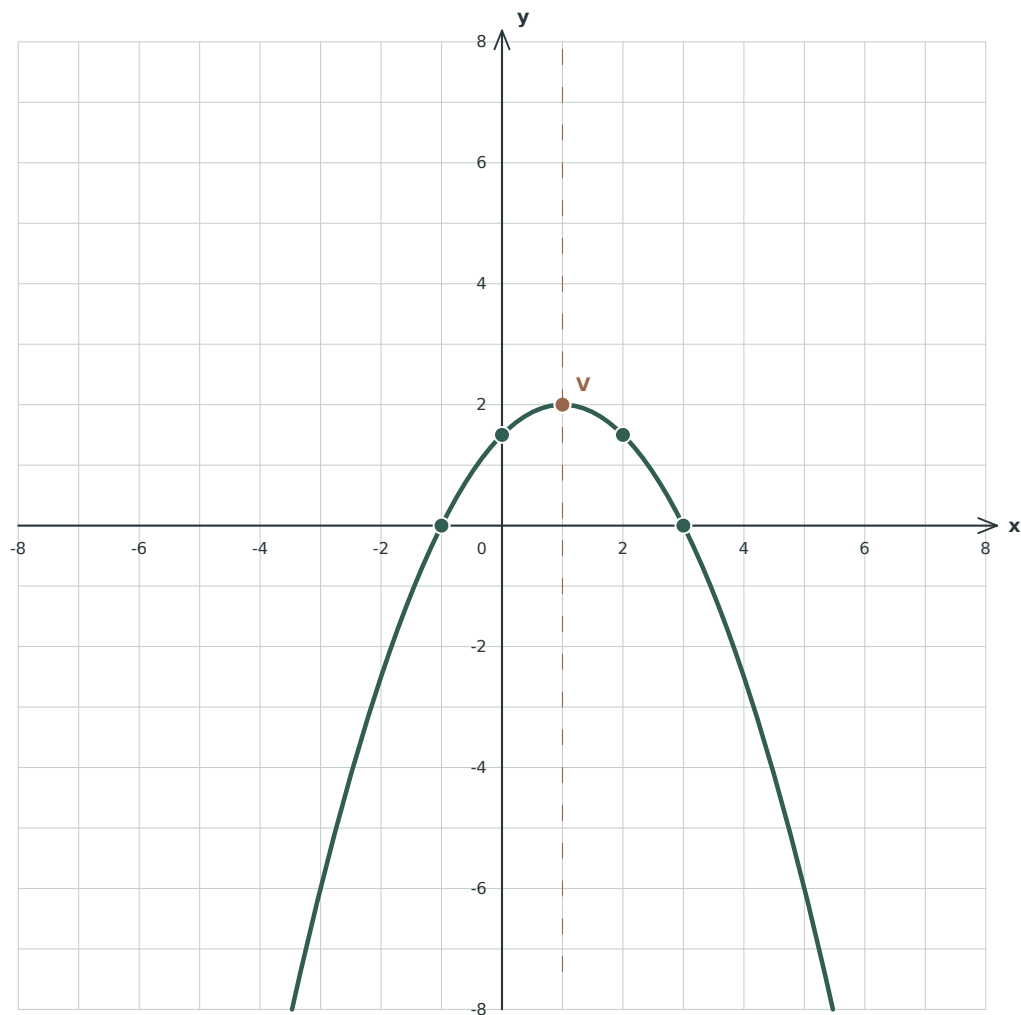


1. Locate the vertex and symmetry line. Compare the completed plot.
2. Calculate and plot the five table points. Compare the completed plot.
3. State direction and vertex type. Compare the completed plot.

A wider downward parabola

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

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



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

Original practice data / coordinate units, not ruler measurements / physical printing not tested