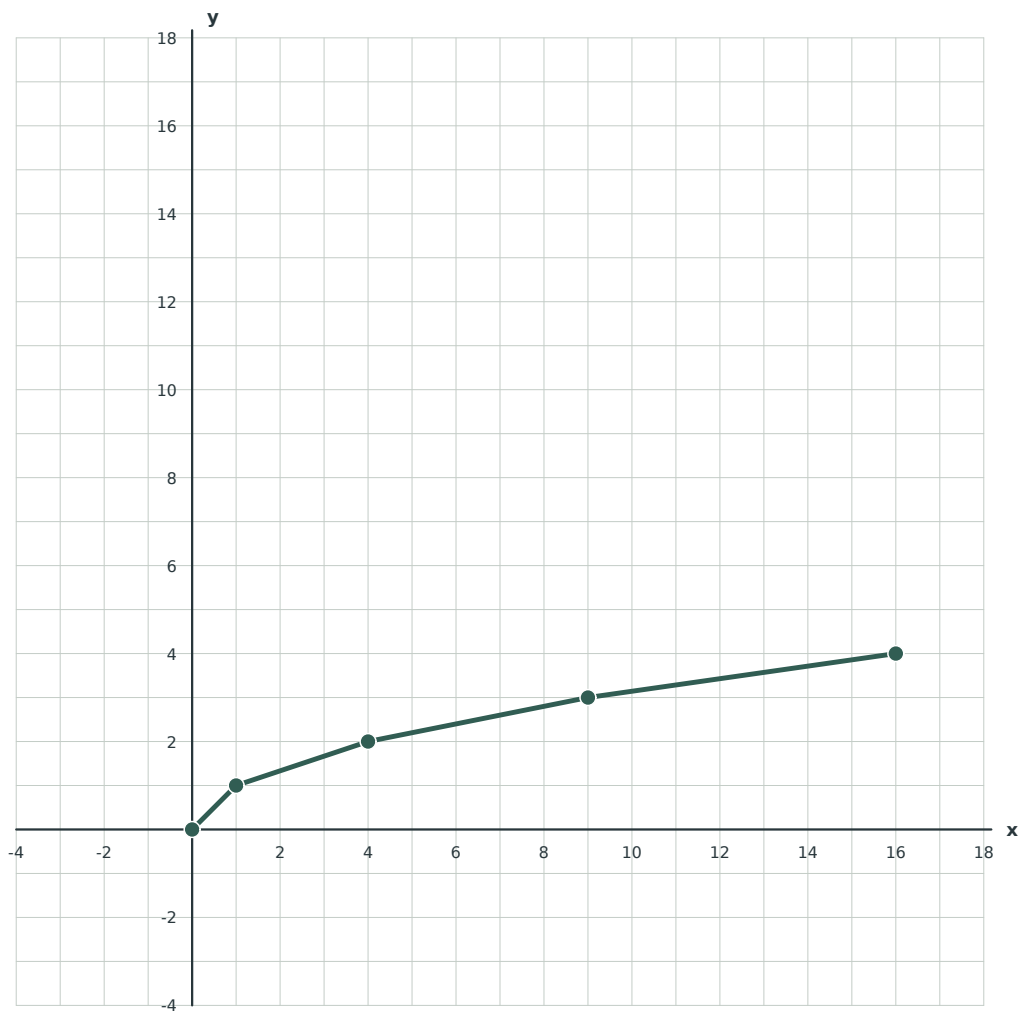


## Basic square root

Use  $y = a\sqrt{x-h}+k$ . The endpoint is the first domain point. Plot the supplied perfect-square samples and join them with a smooth one-sided curve.

$$y = 1\sqrt{x - (0)} + (0). \text{ x values: } 0, 1, 4, 9, 16.$$



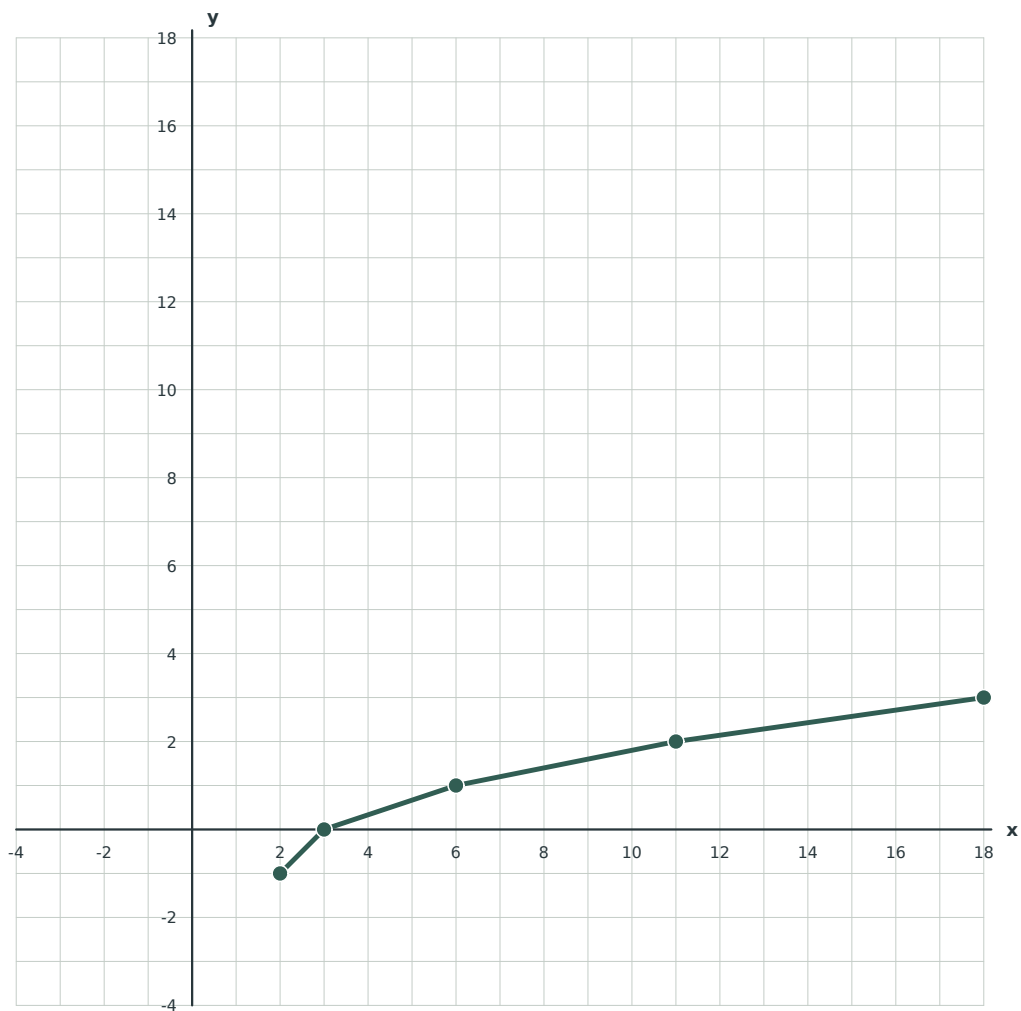
1. Locate the endpoint. Compare the completed plot.
2. Complete the sample values. Compare the completed plot.
3. State the direction of the curve. Compare the completed plot.

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

## Shift right

Use  $y = a\sqrt{x-h}+k$ . The endpoint is the first domain point. Plot the supplied perfect-square samples and join them with a smooth one-sided curve.

$$y = 1\sqrt{x - (2)} + (-1). \text{ x values: } 2, 3, 6, 11, 18.$$



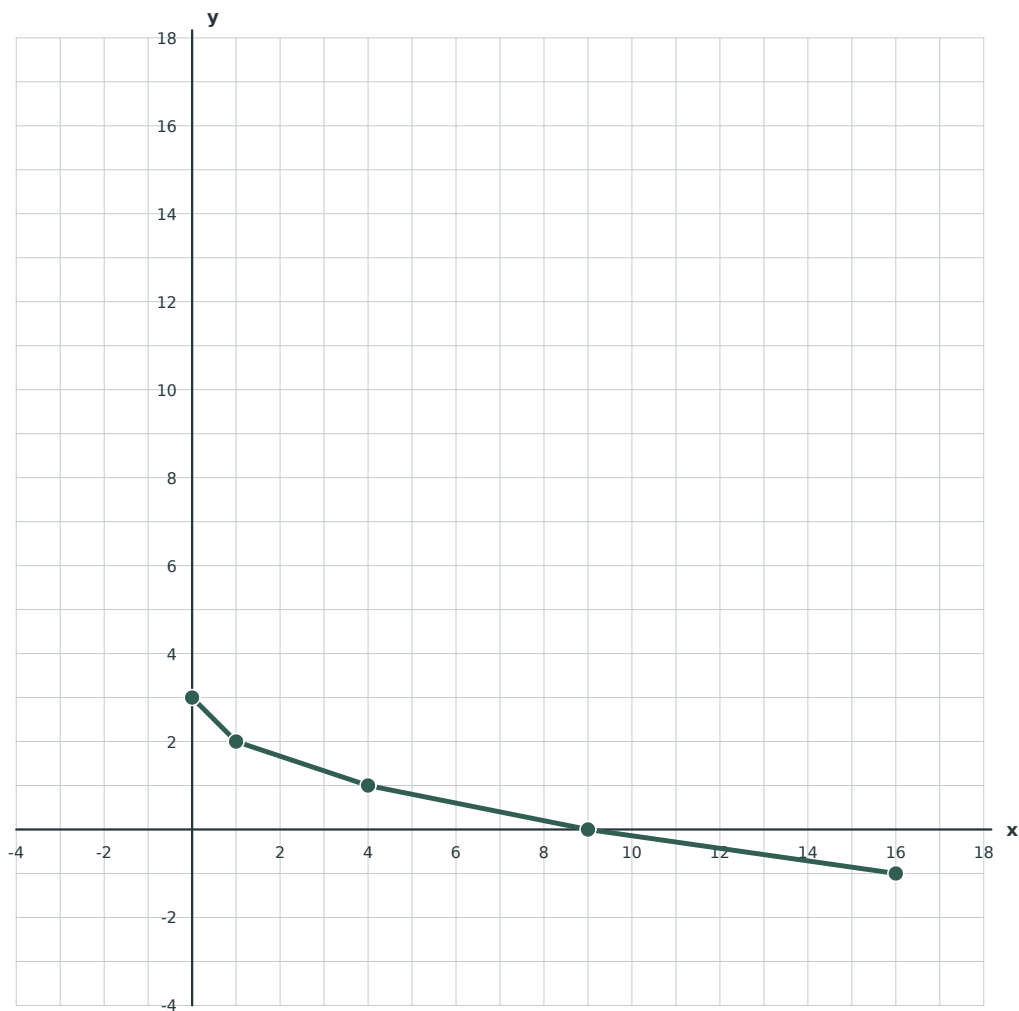
1. Locate the endpoint. Compare the completed plot.
2. Complete the sample values. Compare the completed plot.
3. State the direction of the curve. Compare the completed plot.

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

## Reflected root

Use  $y = a\sqrt{x-h}+k$ . The endpoint is the first domain point. Plot the supplied perfect-square samples and join them with a smooth one-sided curve.

$$y = -1\sqrt{x - (0)} + (3). \text{ x values: } 0, 1, 4, 9, 16.$$



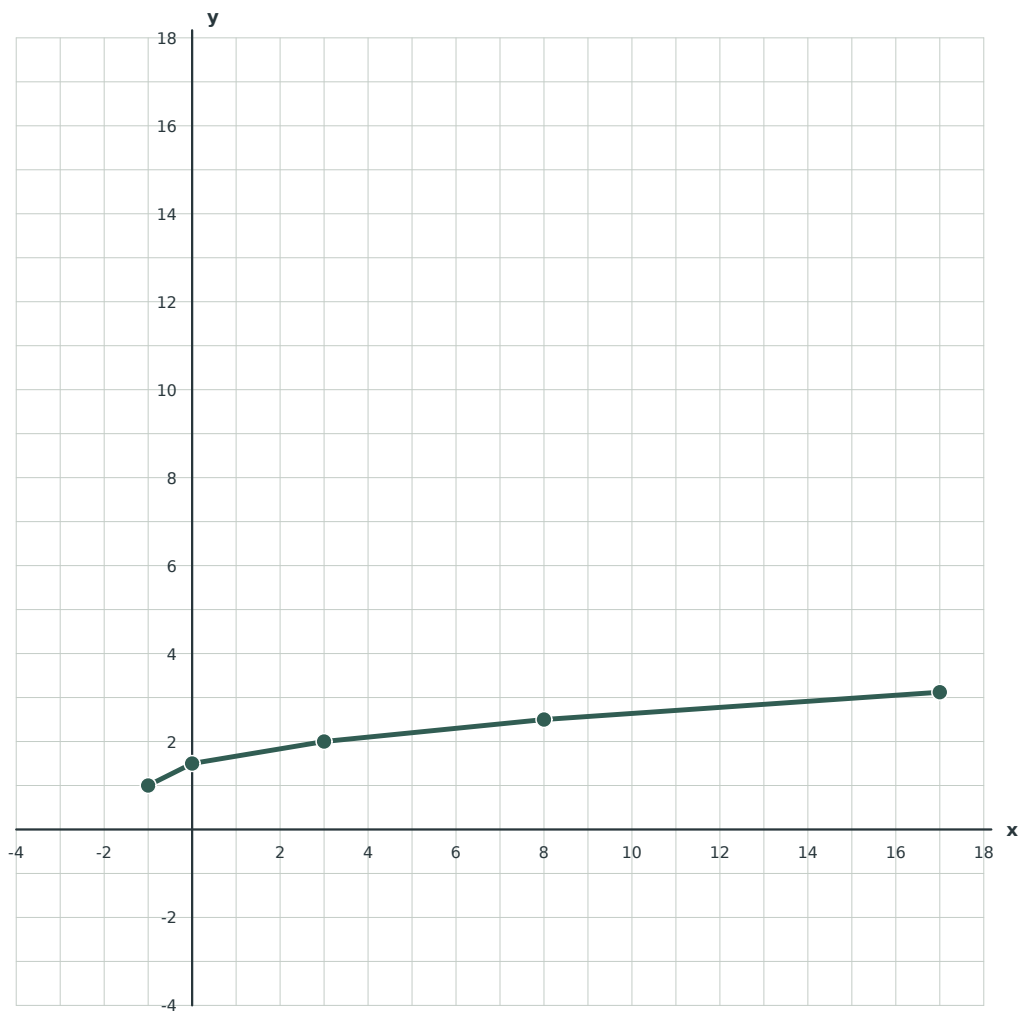
1. Locate the endpoint. Compare the completed plot.
2. Complete the sample values. Compare the completed plot.
3. State the direction of the curve. Compare the completed plot.

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

## Narrower rise

Use  $y = a\sqrt{x-h}+k$ . The endpoint is the first domain point. Plot the supplied perfect-square samples and join them with a smooth one-sided curve.

$$y = 1/2\sqrt{x - (-1)} + (1). \text{ x values: } -1, 0, 3, 8, 17.$$



1. Locate the endpoint. Compare the completed plot.
2. Complete the sample values. Compare the completed plot.
3. State the direction of the curve. Compare the completed plot.

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