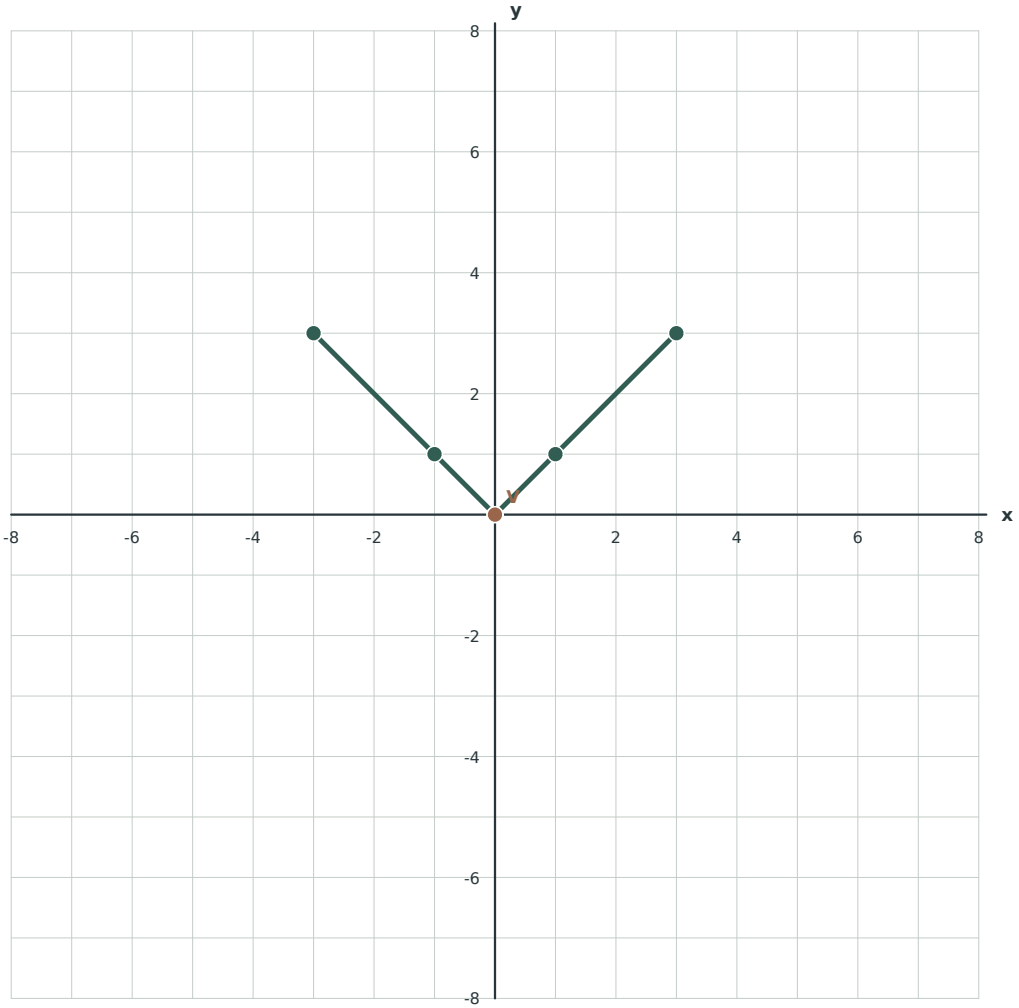
A centered V

Use the vertex form y = a|x-h|+k. Plot the table points and join the two straight arms with a sharp corner.

y = 1|x - (0)| + (0). x values: -3, -1, 0, 1, 3.



1. Locate the vertex and symmetry line. Compare the completed plot.

2. Complete the five table values. Compare the completed plot.

3. State opening direction. Compare the completed plot.

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

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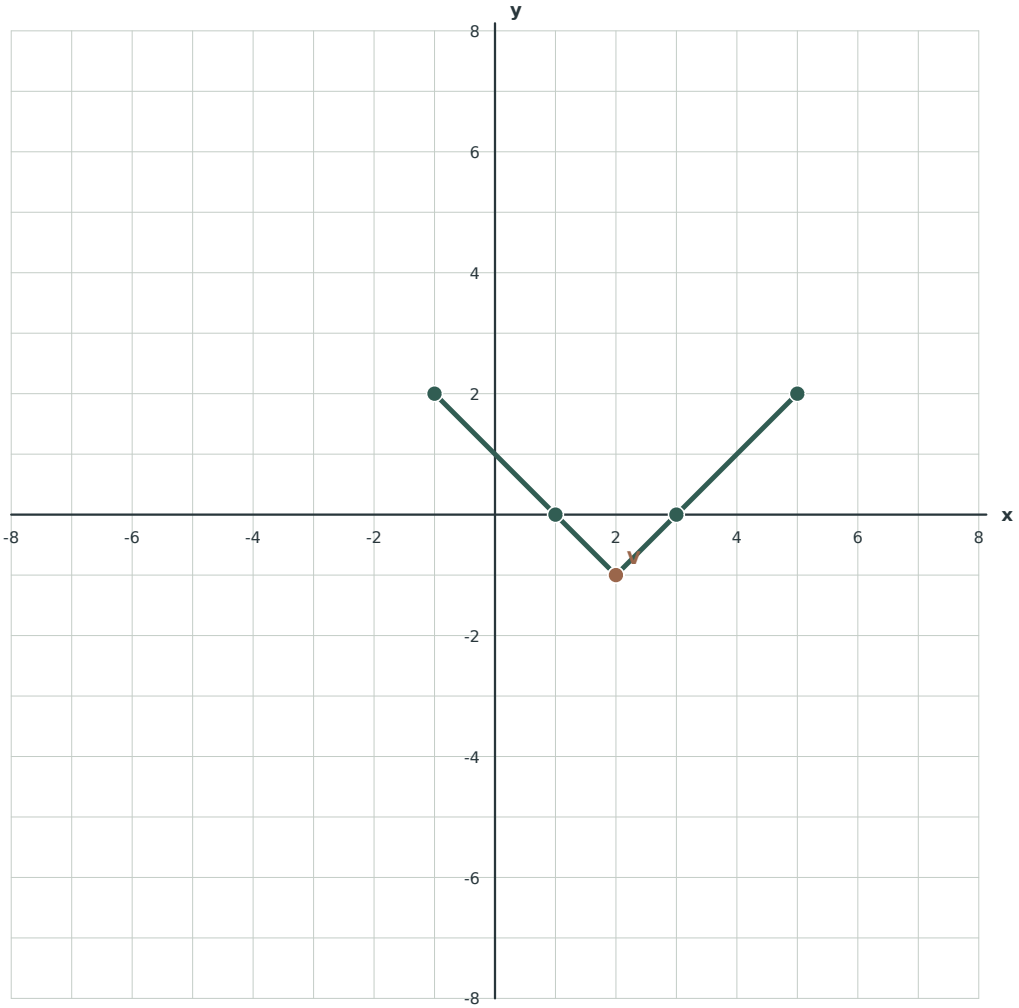
A shifted V

Use the vertex form y = a|x-h|+k. Plot the table points and join the two straight arms with a sharp corner.

y = 1|x - (2)| + (-1). x values: -1, 1, 2, 3, 5.



1. Locate the vertex and symmetry line. Compare the completed plot.

2. Complete the five table values. Compare the completed plot.

3. State opening direction. Compare the completed plot.

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

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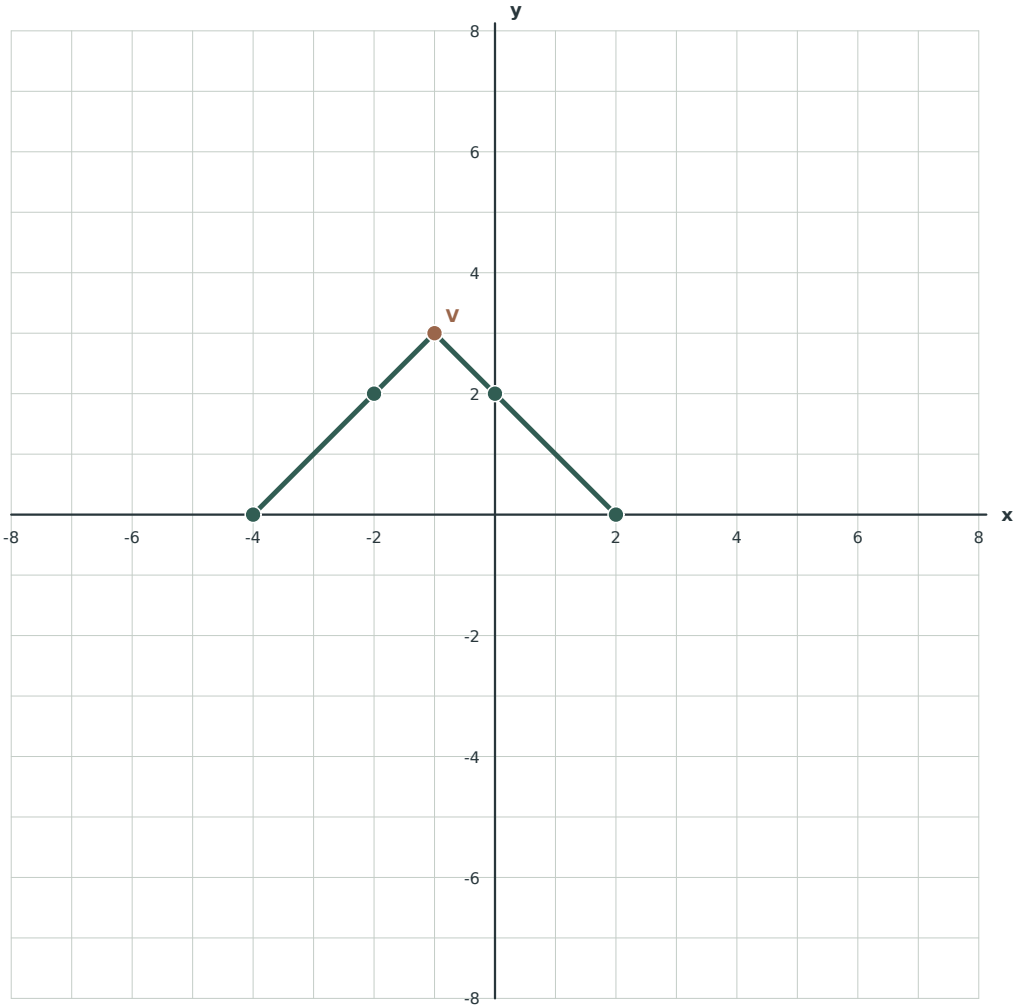
A reflected V

Use the vertex form y = a|x-h|+k. Plot the table points and join the two straight arms with a sharp corner.

y = -1|x - (-1)| + (3). x values: -4, -2, -1, 0, 2.



1. Locate the vertex and symmetry line. Compare the completed plot.

2. Complete the five table values. Compare the completed plot.

3. State opening direction. Compare the completed plot.

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

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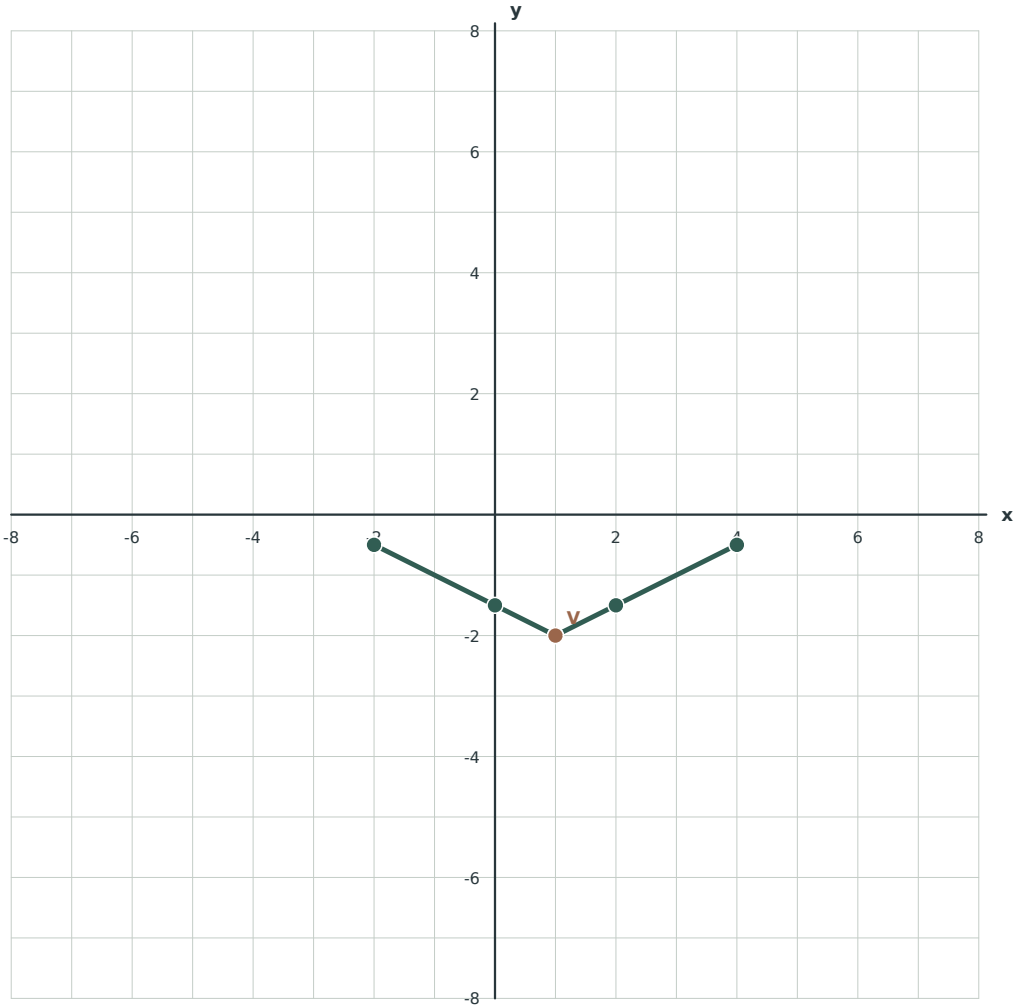
A wider V

Use the vertex form y = a|x-h|+k. Plot the table points and join the two straight arms with a sharp corner.

y = 1/2|x - (1)| + (-2). x values: -2, 0, 1, 2, 4.



1. Locate the vertex and symmetry line. Compare the completed plot.

2. Complete the five table values. Compare the completed plot.

3. State opening direction. Compare the completed plot.

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

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