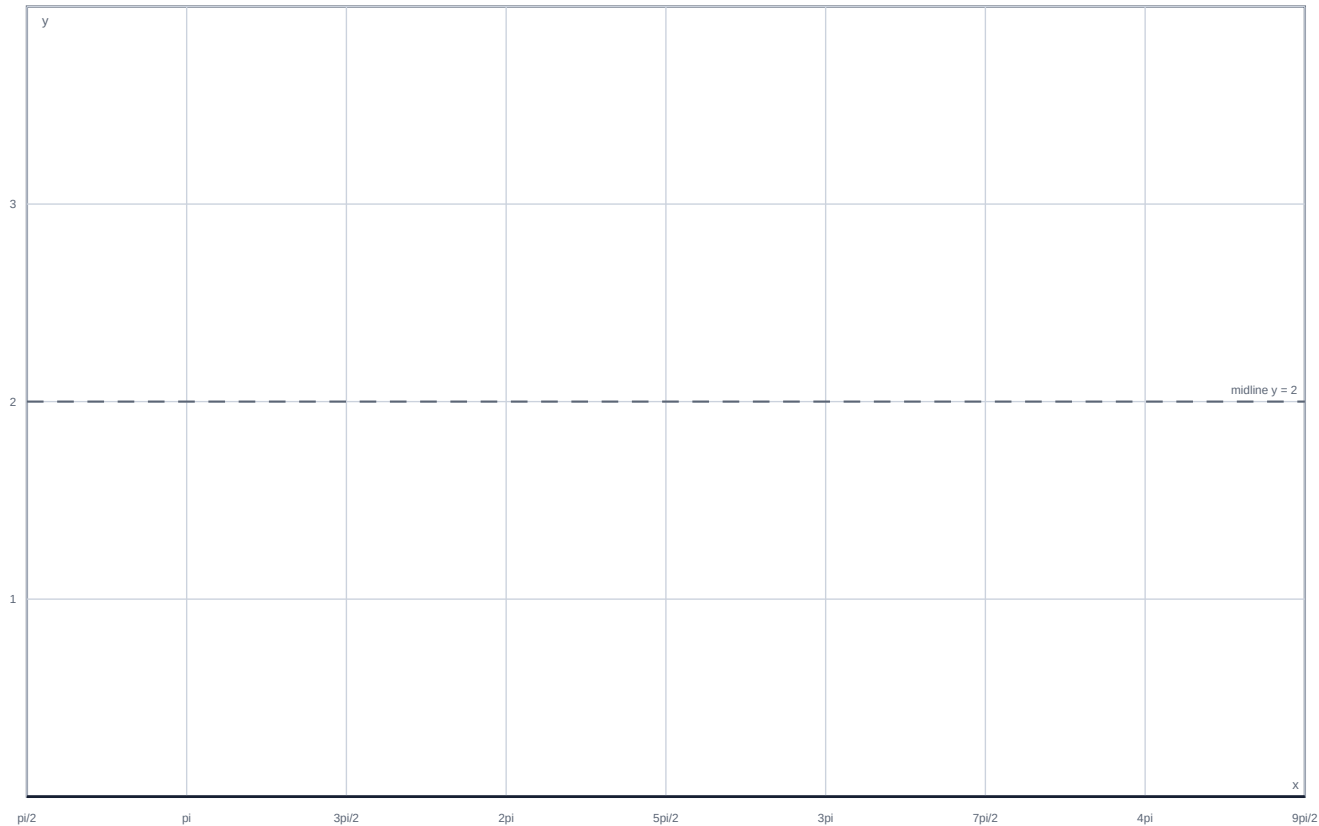


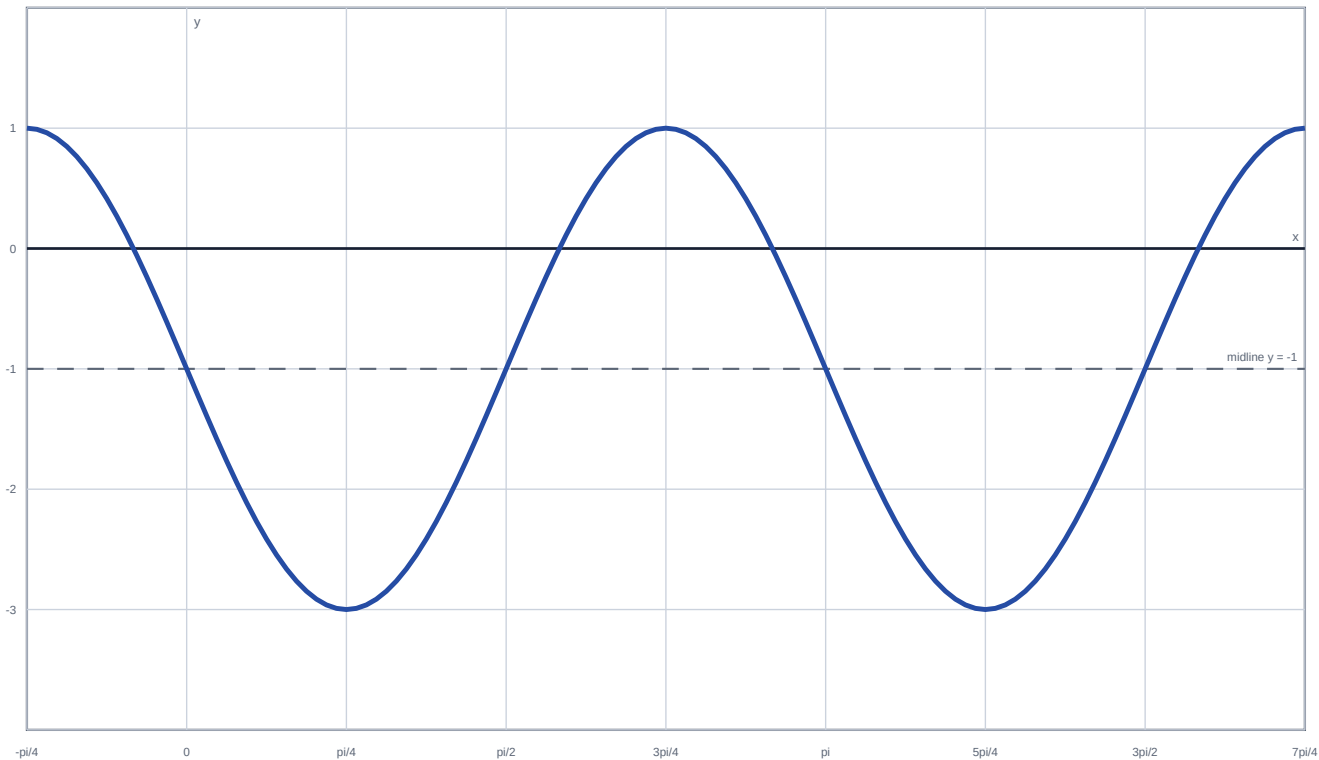
Sine and Cosine Graphs

Draw each transformed graph or write one valid equation for the graph shown. Mark the midline and exact quarter-period key points.

1. Draw the graph: $y = -\sin((x - \pi/2)) + 2$



2. Write one valid sine or cosine equation for the graph shown.

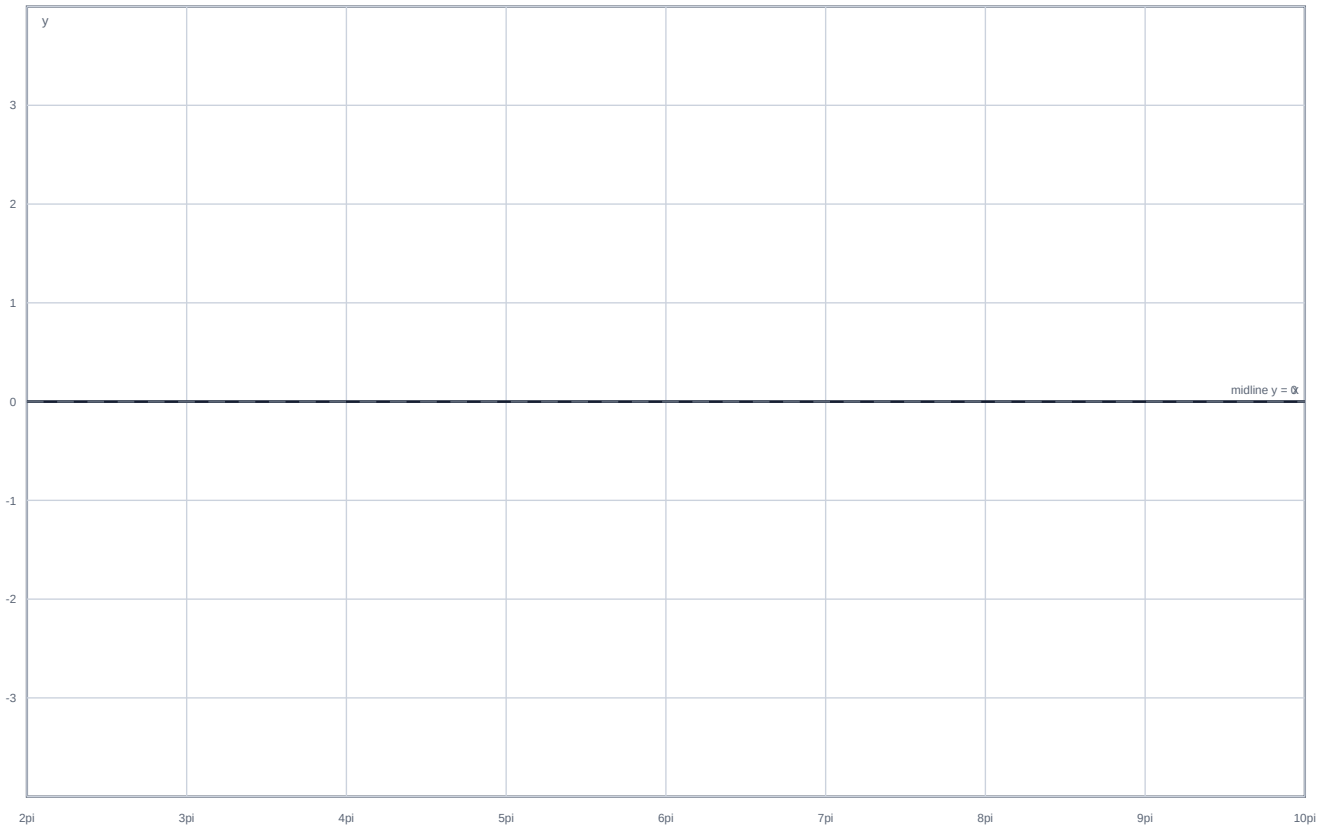


Equation: _____

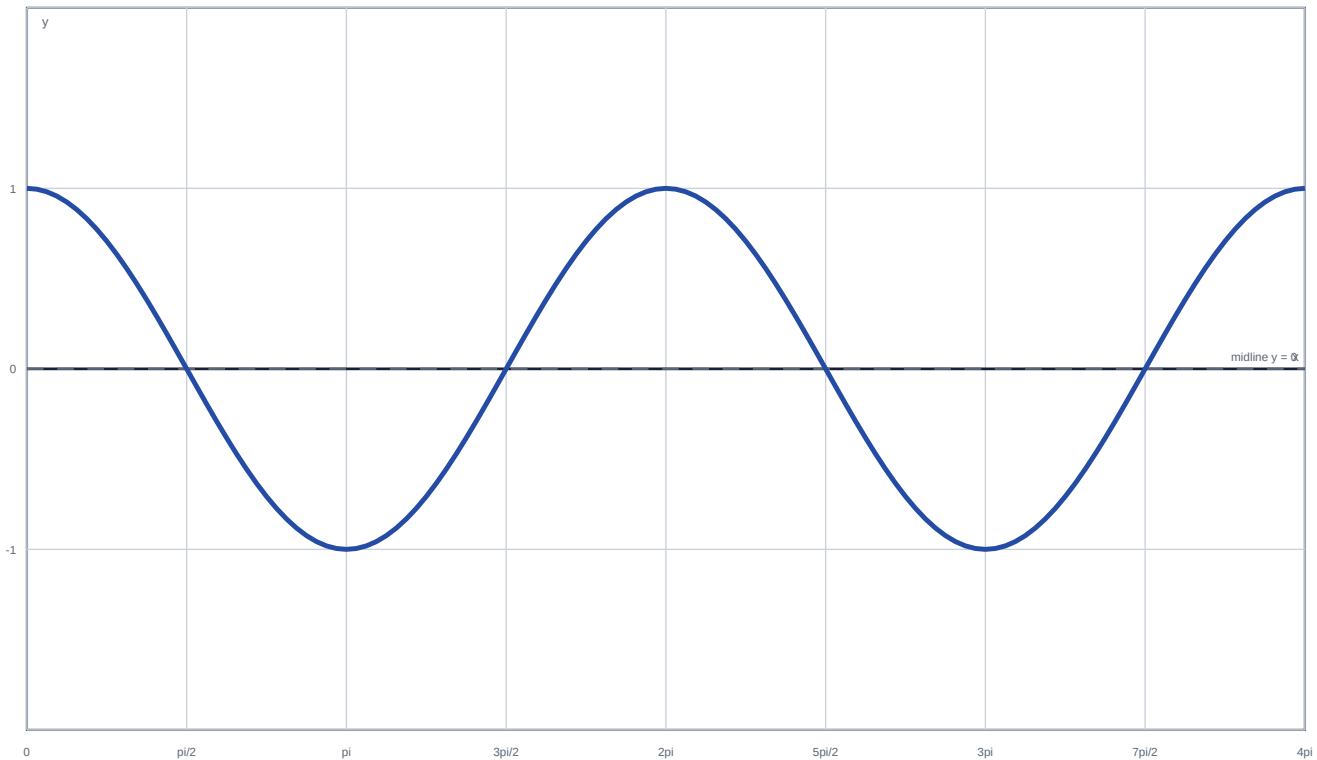
Sine and Cosine Graphs

Draw each transformed graph or write one valid equation for the graph shown. Mark the midline and exact quarter-period key points.

3. Draw the graph: $y = -3\sin(\frac{1}{2}(x - 2\pi))$



4. Write one valid sine or cosine equation for the graph shown.



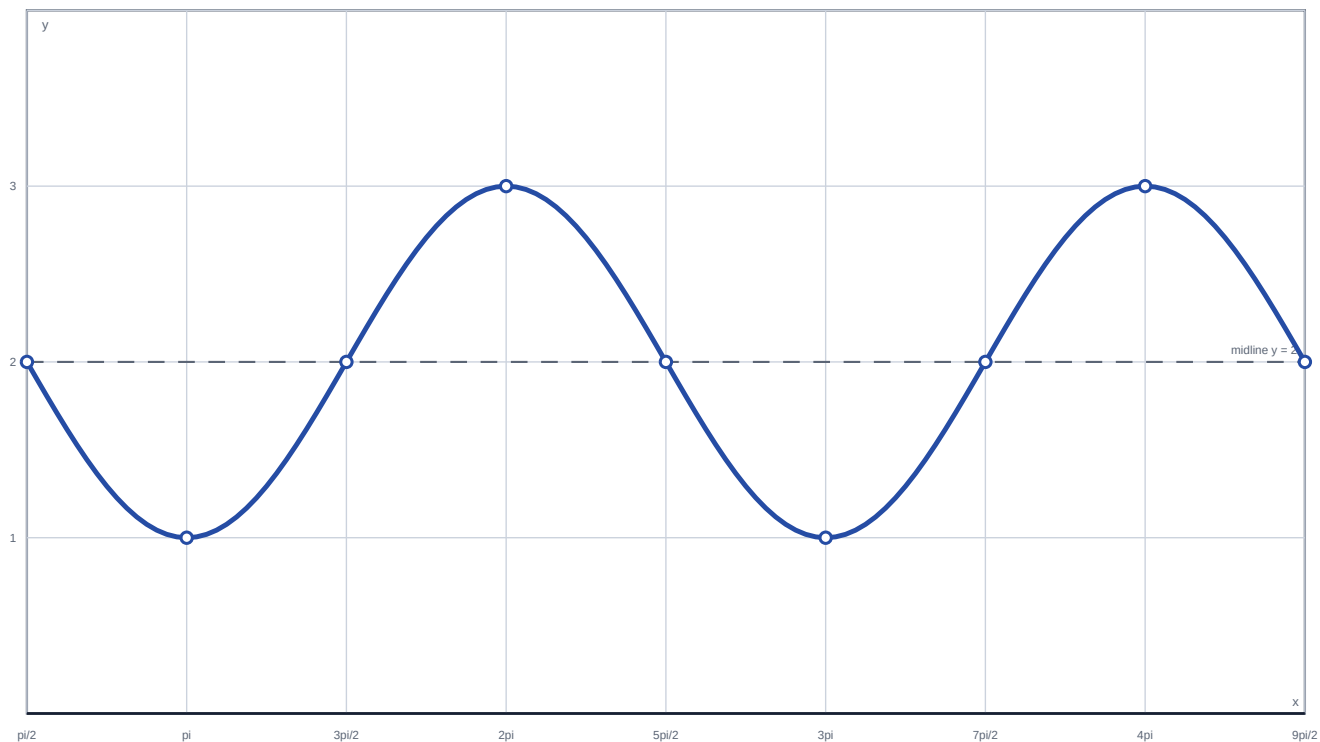
Equation: _____

Sine and Cosine Graphs

Worked Answer Key

Draw each transformed graph or write one valid equation for the graph shown. Mark the midline and exact quarter-period key points.

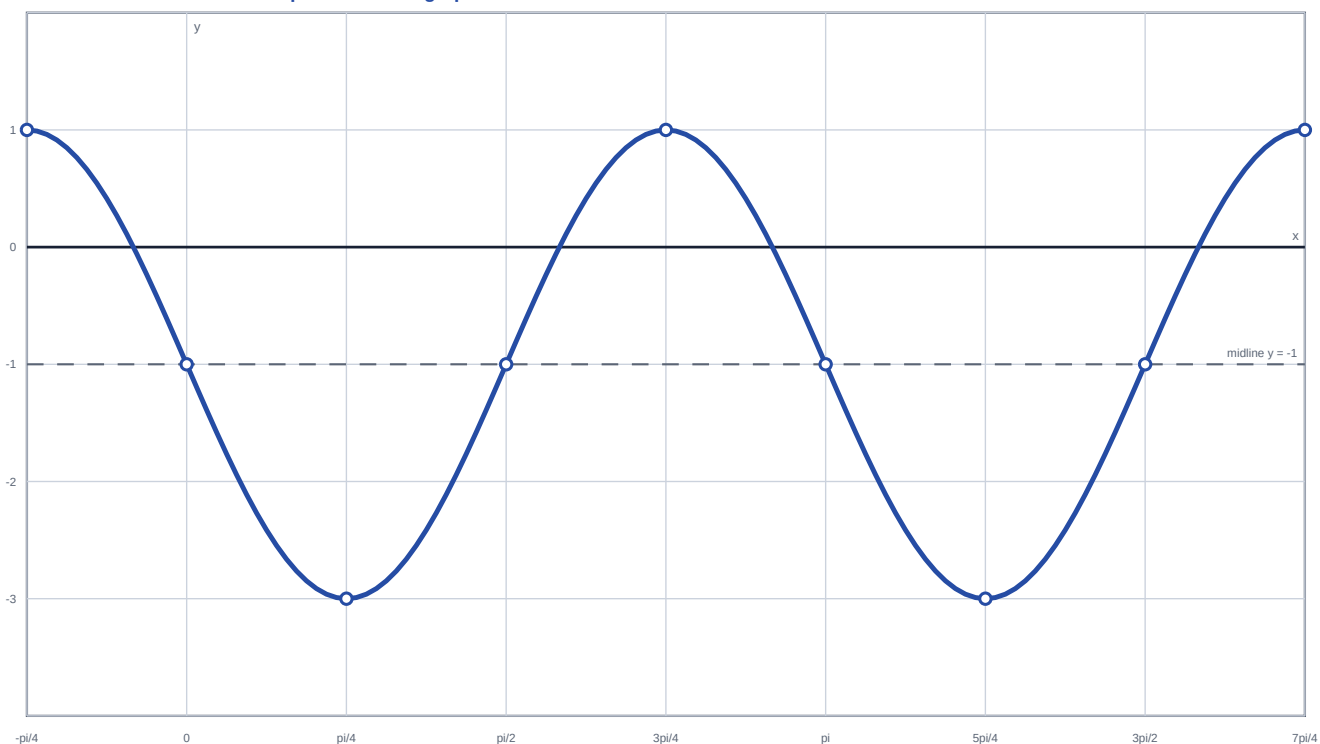
1. Draw the graph: $y = -\sin((x - \pi/2)) + 2$



Canonical equation: $y = -\sin((x - \pi/2)) + 2$

Equivalent phase-shift or sine/cosine forms are also correct.

2. Write one valid sine or cosine equation for the graph shown.



Canonical equation: $y = 2\cos(2(x + \pi/4)) - 1$

Equivalent phase-shift or sine/cosine forms are also correct.

Math Sheet

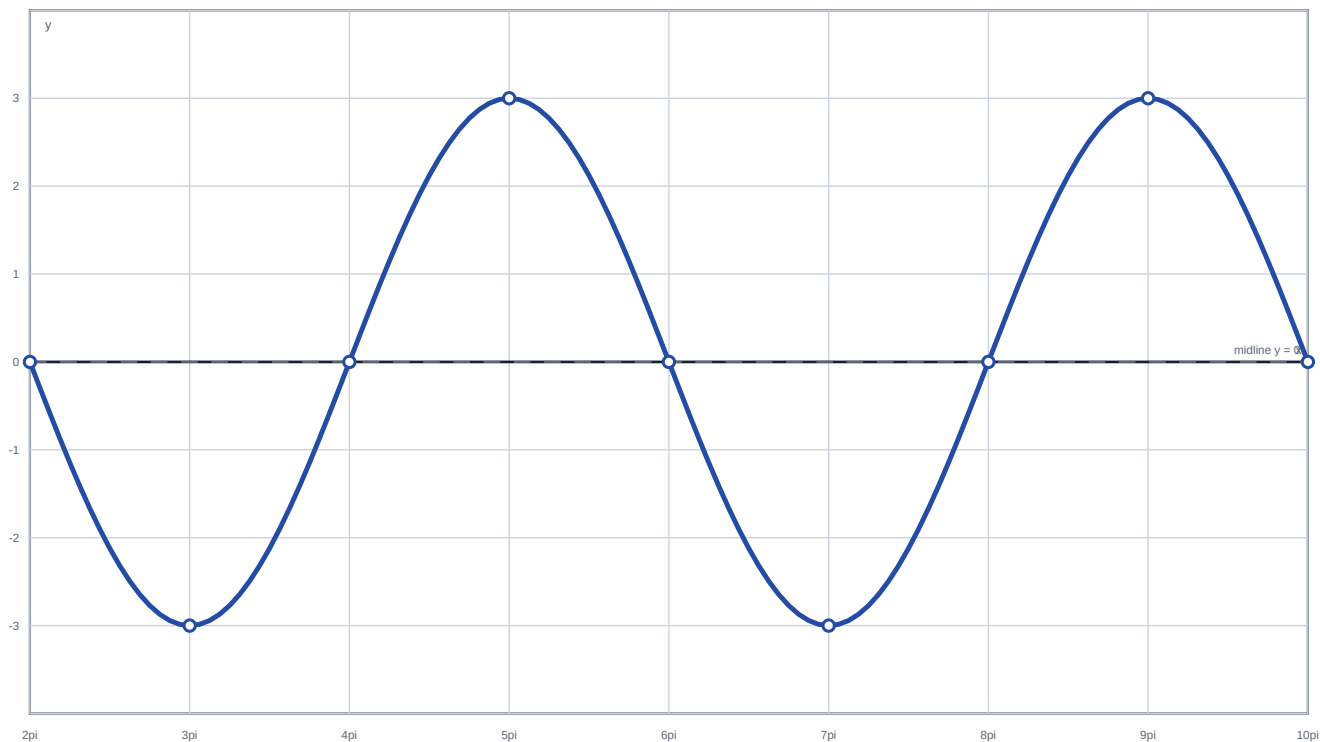
Name _____ Score _____ Teacher _____ Date _____

Sine and Cosine Graphs

Worked Answer Key

Draw each transformed graph or write one valid equation for the graph shown. Mark the midline and exact quarter-period key points.

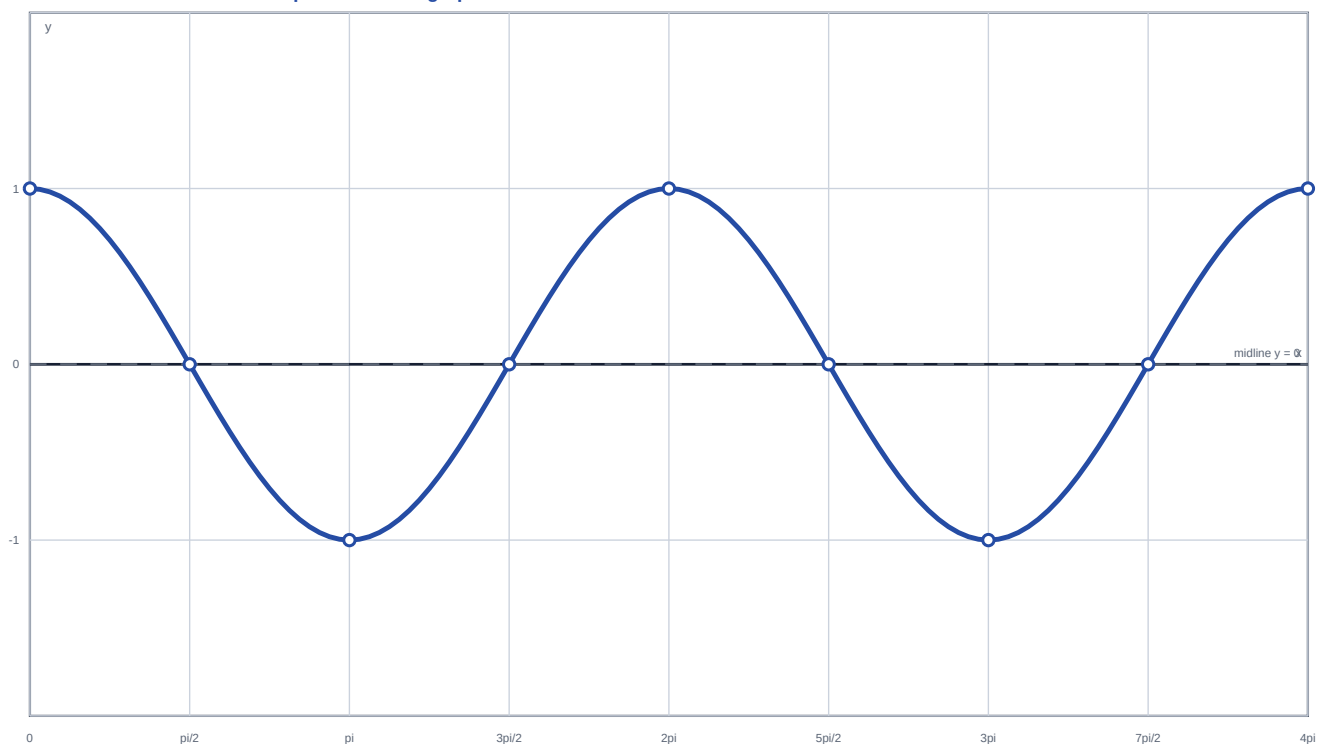
3. Draw the graph: $y = -3\sin(1/2(x - 2\pi))$



Canonical equation: $y = -3\sin(1/2(x - 2\pi))$

Equivalent phase-shift or sine/cosine forms are also correct.

4. Write one valid sine or cosine equation for the graph shown.



Canonical equation: $y = \cos(x)$

Equivalent phase-shift or sine/cosine forms are also correct.