Determine the amplitude, period, horizontal shift, and vertical shift for each function.

Graph each function by labeling the x-axis and y-axis with significant coordinates.

$$y = \sin\frac{\pi}{2}(x - 1) + 2$$

Determine the amplitude, period, horizontal shift, and vertical shift for each function.

Graph each function by labeling the x-axis and y-axis with significant coordinates.

$$y = -\sin(4x - \pi)$$

Determine the amplitude, period, horizontal shift, and vertical shift for each function.

Graph each function by labeling the x-axis and y-axis with significant coordinates.

$$y = -3\cos \pi(x + 2) - 3$$

Determine the amplitude, period, horizontal shift, and vertical shift for each function.

Graph each function by labeling the x-axis and y-axis with significant coordinates.

$$y = \cos\left(2x + \frac{\pi}{2}\right)$$