Problem #1. Determine the amplitude, period, and phase shift of and draw the graph of function \( y = 3 \cos\left(\frac{1}{2} x + \pi\right) \)

Solution:

Amplitude = \(|A| =

Period = \frac{2\pi}{B} =

Phase shift = \frac{C}{B} =

Key values

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Problem #2. Determine the amplitude, period, and phase shift of and draw the graph of function $y = -4\sin(2x + \pi)$

Solution:

Amplitude $= |A| = $

Period $= 2\pi/B = $

Phase shift $= C/B = $

Key values

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