Name: _____
Precalculus
Quiz over 5.4
Phase Shift

Write in standard form.

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

2) $y = 3\cos(\frac{2x}{3} - \frac{\pi}{4})$
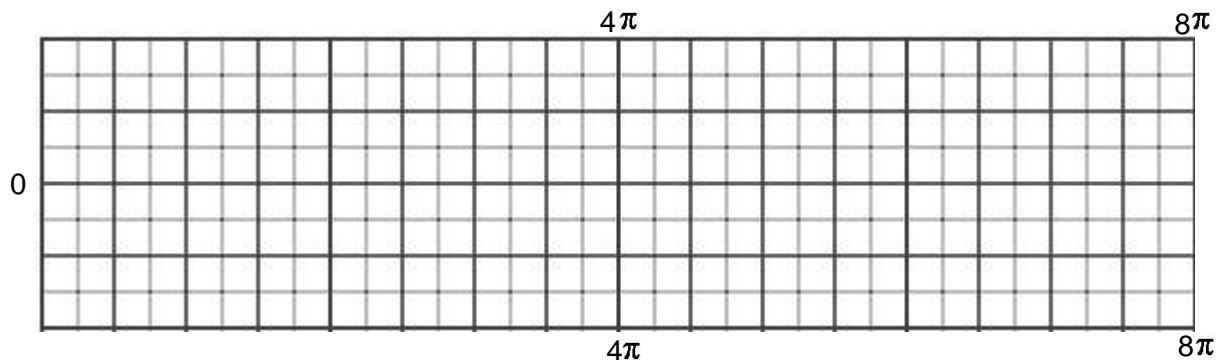
3) $y = \sin(4x + \frac{\pi}{5})$

_____   _____   _____

4) Period   _____   _____   _____

5) Amp   _____   _____   _____

6) PS   _____   _____   _____

Graph across the entire given coordinate system.

7) function: $\sin(x)$, amplitude = 3, period = 4π, phase shift = π to the right.

function in standard form: _____

4π   8π

0

4π   8π

8) function: $\cos(x)$, amplitude = 2, period = $\frac{4\pi}{3}$, phase shift = $\frac{\pi}{6}$ to the right.

function in standard form: _____

π   2π

0

π   2π