

## Graphing Sine and Cosine: Reflections

Warm-Up:

$$y = \frac{1}{2} \cdot \cos\left(2\theta - \frac{5\pi}{6}\right) - 2$$

$$y = 3\sin\left(\frac{\theta}{3} + \frac{2\pi}{3}\right) + 2$$

Classwork/Homework:

1.  $y = -\cos x$
2.  $y = -\sin x$
3.  $y = -2 \cos(x + \pi) + 1$
4.  $y = -3 \sin(x - \pi) - 1$
5.  $y = -3 \cos 3\left(x - \frac{\pi}{6}\right)$
6.  $y = -5 \sin 2\left(x + \frac{\pi}{2}\right) + 4$
7.  $y = -6 \cos\left(2x + \frac{\pi}{8}\right) + 2$
8.  $y = -\sin(4x - 8\pi) + 3$