

## AdvAlg2, Homework due Wednesday, 5/17

Using radians, find the amplitude, period, and translations for each function; then graph.

1.  $y = \frac{1}{2} \sin\left(\theta - \frac{\pi}{2}\right) + 4$

2.  $y = \cos 3\left(\theta + \frac{\pi}{4}\right) - 2$

3.  $y = \frac{1}{2} \sin\left(3\theta + \frac{\pi}{4}\right) + 1$

4.  $y = 4 \cos\left(2\theta - \frac{5\pi}{6}\right) - 2$