

**(No Calculator)**

**Graph the following for one period:**

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

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

**Graph the following for two to four cycles.**

4.  $y = 2 \tan x - 1$                       5.  $y = \tan\left(x + \frac{\pi}{4}\right)$