Each problem is worth 0 points, it's a *fake* quiz after all.

1. Sketch the graph of at least one complete cycle of $y = 10\sin(\pi x + \pi) + 20$.

Begins: $\pi x + \pi = 0$

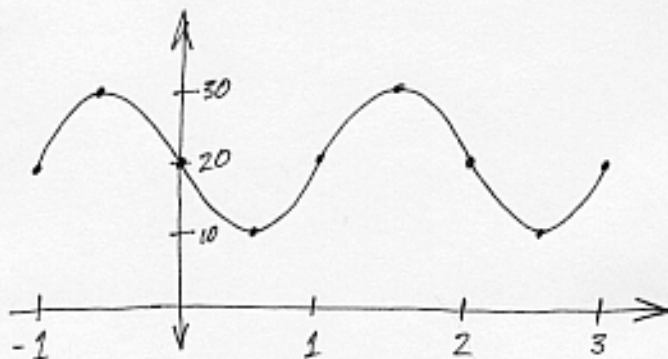$\qquad \pi x = -\pi$

$\qquad x = -1$

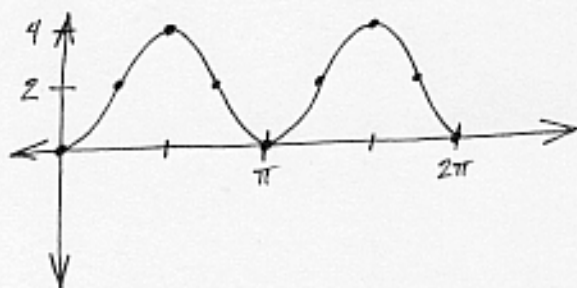Ends: $\pi x + \pi = 2\pi$

$\qquad \pi x = \pi$

$\qquad x = 1$

2. Sketch the graph of at least one complete cycle of $y = 2 - 2\cos(2x)$.

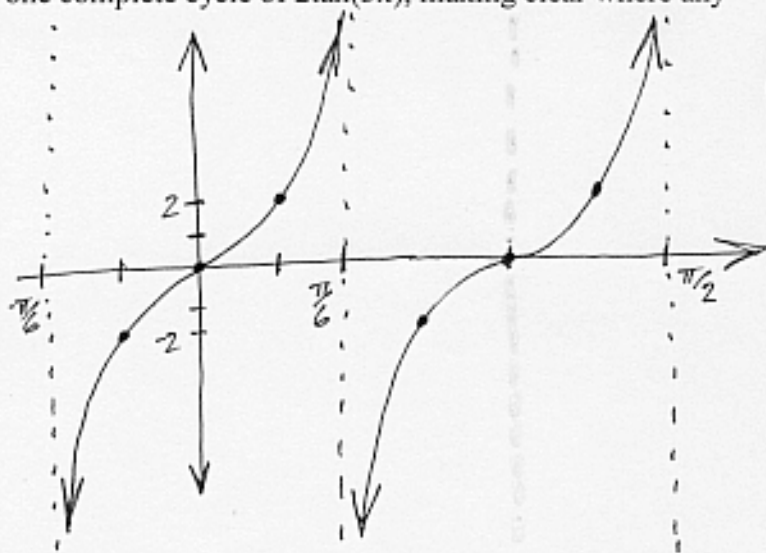Begins: $2x = 0$

$\qquad x = 0$

Ends: $2x = 2\pi$

$\qquad x = \pi$

3. Sketch the graph of at least one complete cycle of $2\tan(3x)$, making clear where any asymptotes are located.

Begins: $3x = \dfrac{-\pi}{2}$

$\qquad x = \dfrac{-\pi}{6}$

Ends: $3x = \dfrac{\pi}{2}$

$\qquad x = \dfrac{\pi}{6}$

Asymptotes at $\dfrac{-\pi}{6}, \dfrac{\pi}{6}, \dfrac{\pi}{2},$ etc.