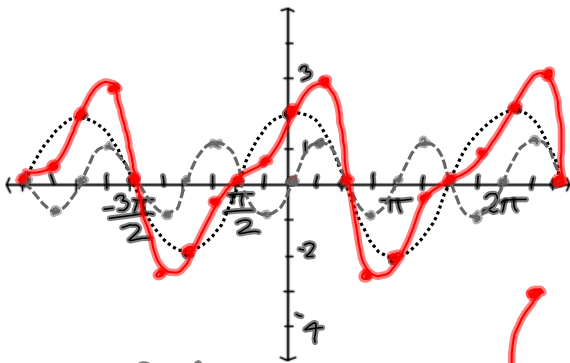
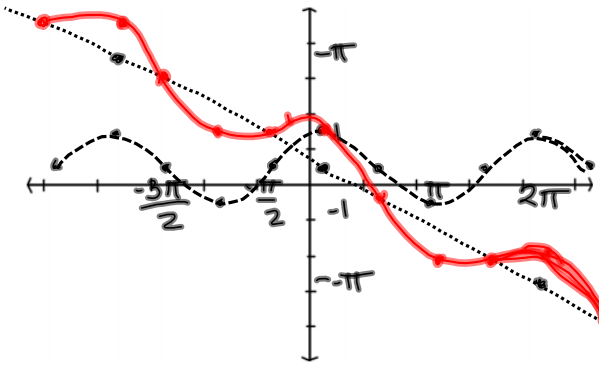


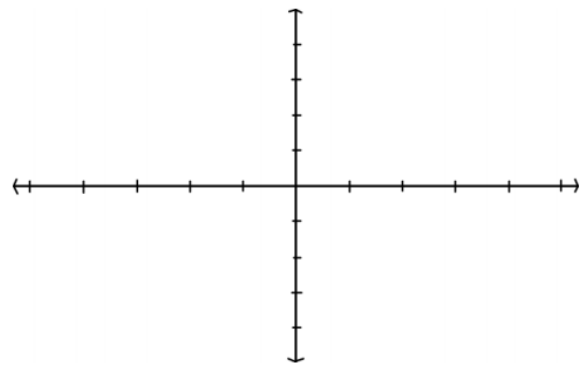
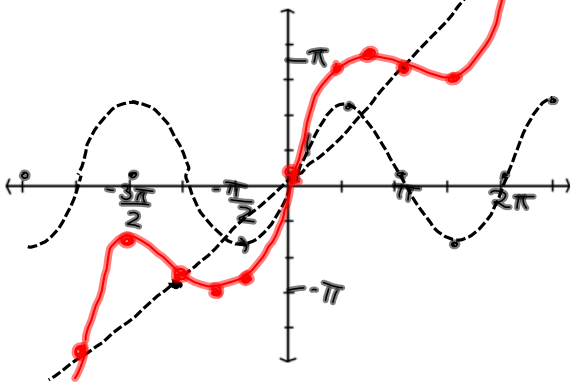
amp 2, per  $2\pi$  and 1, per  $\pi$   
 $y = 2\cos x + \sin 2x$



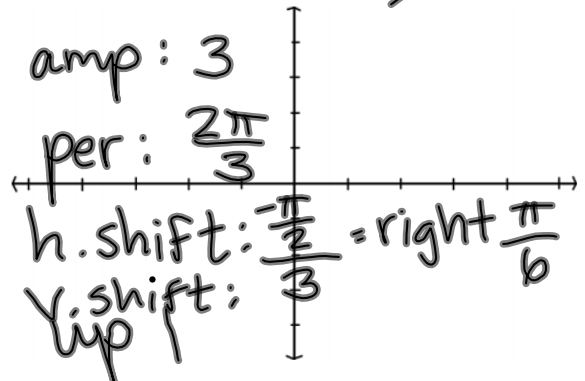
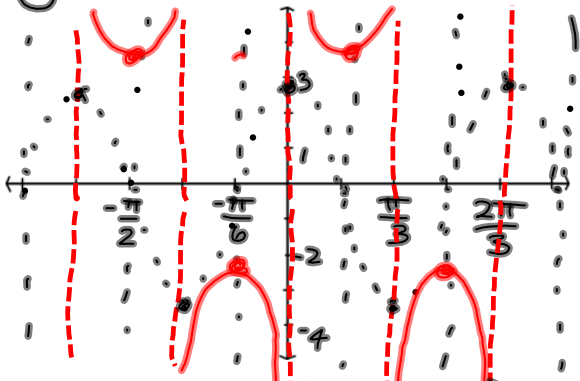
$$y = \cos x - \frac{1}{2}x$$



$$y = x + 2\sin x$$



$$y = 3 \sec\left(3x - \frac{\pi}{2}\right) + 1 = 3 \sec 3\left(x - \frac{\pi}{6}\right) + 1$$



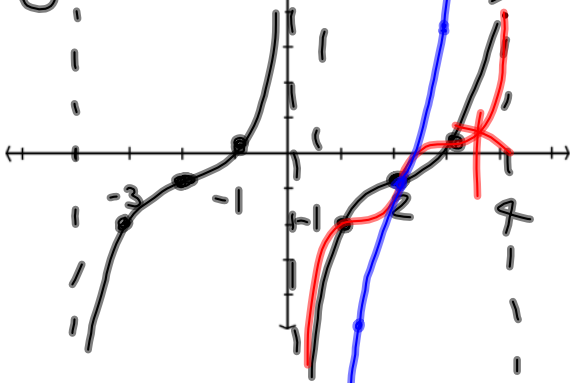
amp: 3

per:  $\frac{2\pi}{3}$

h. shift:  $\frac{-\pi/2}{3} = \text{right } \frac{\pi}{6}$

v. shift:  $\frac{1}{3}$

$$y = -\cot\left(\frac{\pi}{4}x + \pi\right) = -\cot \frac{\pi}{4}(x + 4) \quad \frac{\pi}{4} = \frac{\pi \cdot 4}{\pi}$$



amp: 1

per:  $\frac{\pi/\pi/4}{1} = 4$

h. shift: left 4

v. shift: none