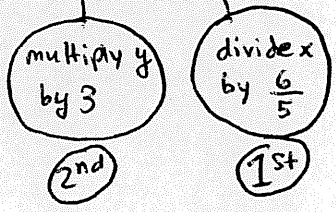


§8.1 #14 | Plot  $f(x) = 3 \cos\left(\frac{6}{5}x\right)$

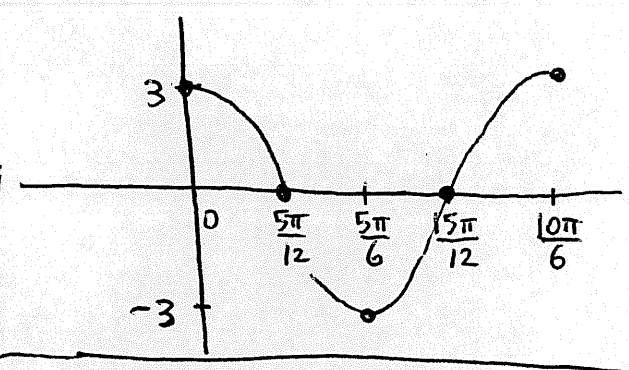
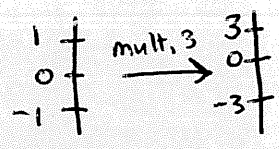
Soln:



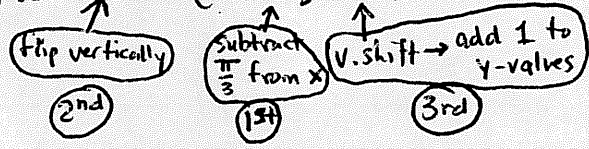
Anchor points:  $0, \frac{\pi}{2}, \pi, \frac{3\pi}{2}, 2\pi$

↓ divide by  $\frac{6}{5}$

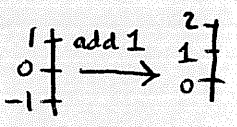
$0, \frac{5\pi}{12}, \frac{5\pi}{6}, \frac{15\pi}{12}, \frac{10\pi}{6}$



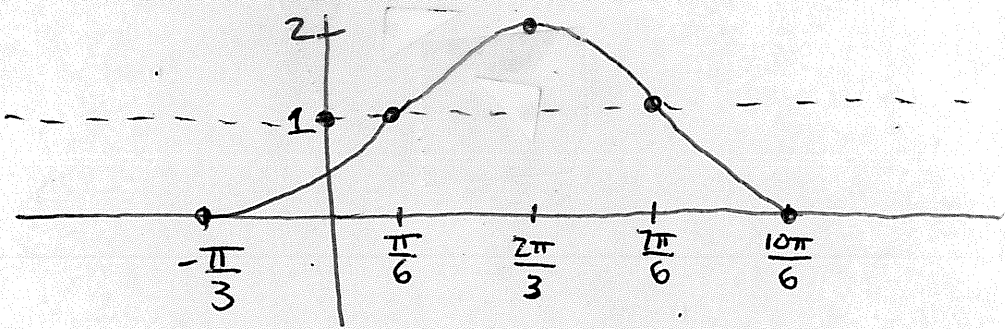
#19 | Plot  $f(t) = -\cos\left(t + \frac{\pi}{3}\right) + 1$



Soln: Anchor pts:  $0, \frac{\pi}{2}, \pi, \frac{3\pi}{2}, 2\pi$



↓ subtract  $\frac{\pi}{3}$   
 $-\frac{\pi}{3}, \frac{\pi}{6}, \frac{2\pi}{3}, \frac{7\pi}{6}, \frac{10\pi}{6}$



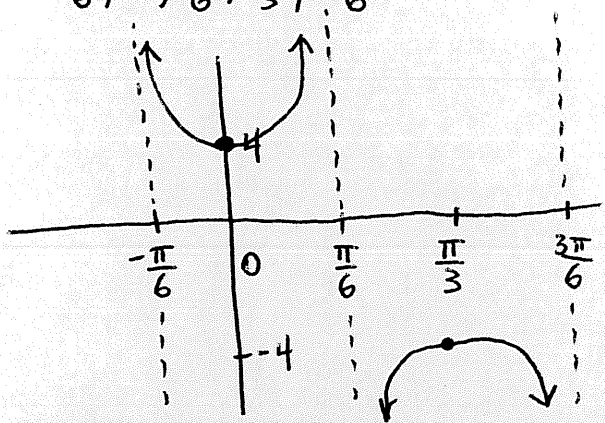
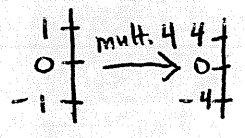
§8.2 #29 | Plot  $f(x) = 4\sec(3x)$

(2)

Soln: multiply y-vals by 4 (2nd) divide x-vals by 3 (1st)

Anchor points:  $-\frac{\pi}{2}, 0, \frac{\pi}{2}, \pi, \frac{3\pi}{2}$

divide by 3  
 $-\frac{\pi}{6}, 0, \frac{\pi}{6}, \frac{\pi}{3}, \frac{3\pi}{6}$



#33 | Plot  $f(x) = 2\csc(x + \frac{\pi}{4}) - 1$

Soln: multiply y-vals by 2 (2nd) subtract pi/4 from x-vals (1st) subtract 1 from y-vals (3rd)

Anchor pts:  $-\pi, -\frac{\pi}{2}, 0, \frac{\pi}{2}, \pi$

subtract  $\frac{\pi}{4}$   
 $-\frac{5\pi}{4}, -\frac{3\pi}{4}, -\frac{\pi}{4}, \frac{\pi}{4}, \frac{3\pi}{4}$

