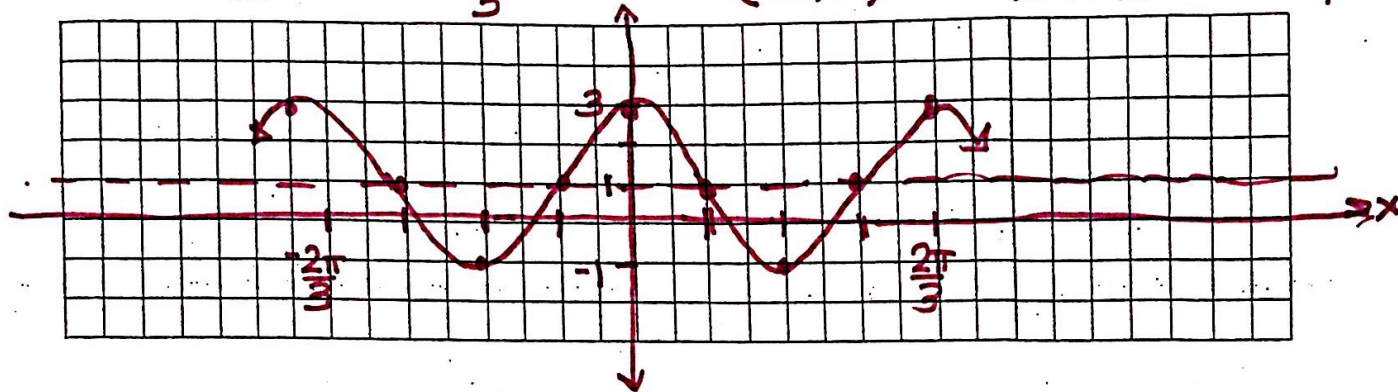


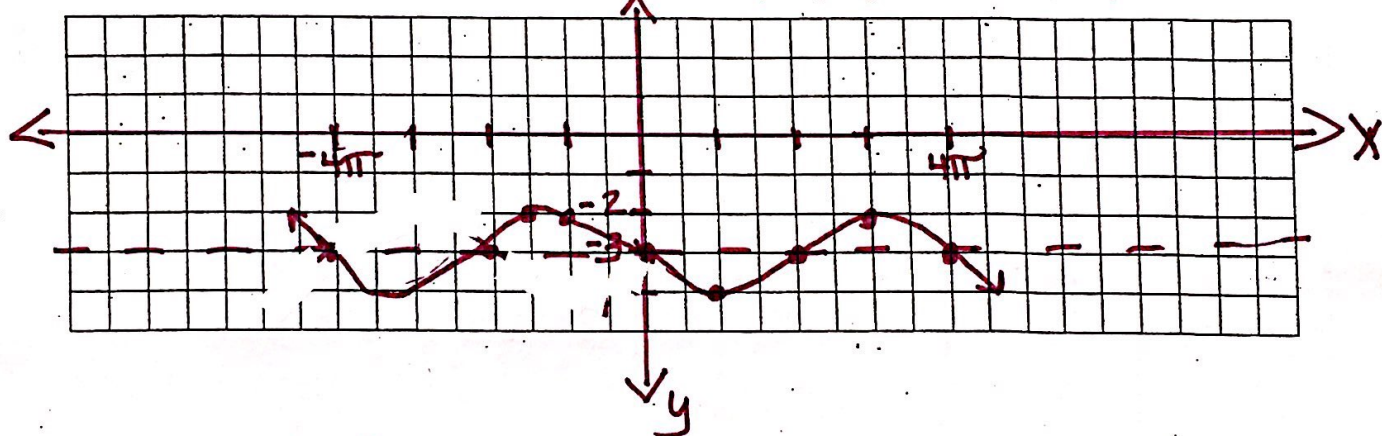
1 Graph each of the following.  $y = 2\cos(3x) + 1$

Amplitude: 2    Period:  $\frac{2\pi}{3}$     Domain:  $(-\infty, \infty)$     Range:  $[-1, 3]$     V.S up!



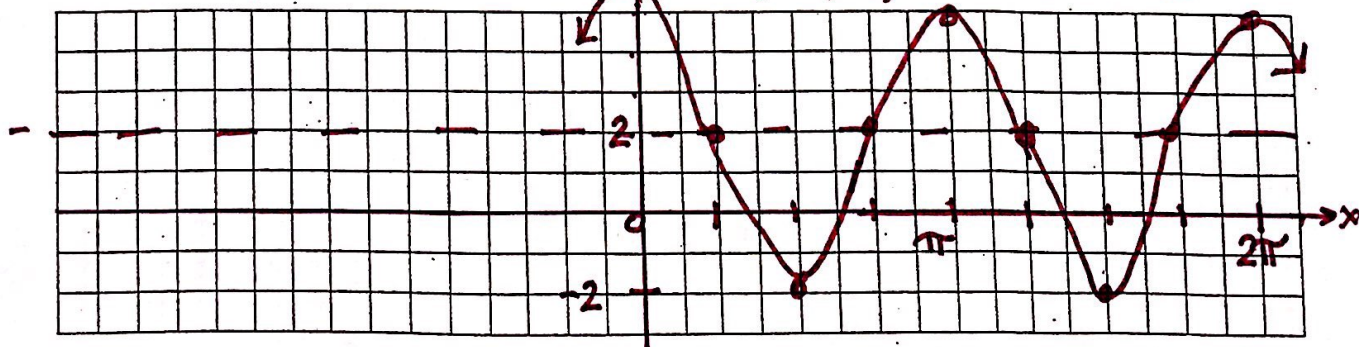
2  $y = -\sin(x/2) - 3$      $\frac{2\pi}{\frac{1}{2}} = 2\pi \cdot \frac{2}{1}$

x axis ref    Amplitude: 1    Period:  $4\pi$     Domain:  $(-\infty, \infty)$     Range:  $[-4, -2]$



3  $y = 4\cos(2x) + 2$

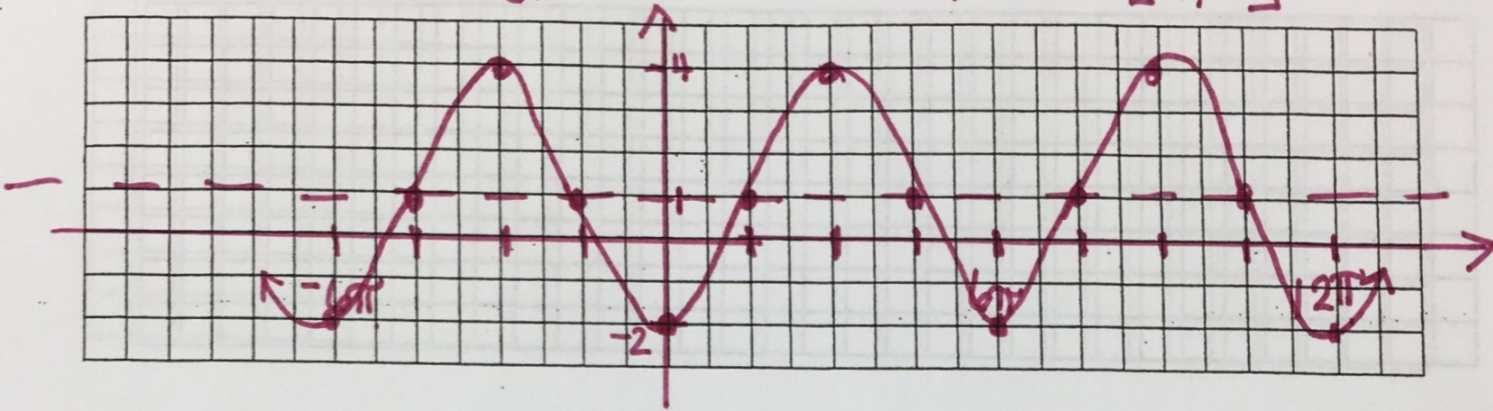
Amplitude: 4    Period:  $\pi$     Domain:  $(-\infty, \infty)$     Range:  $[-2, 6]$     V.S: up 2



Graph each of the following.

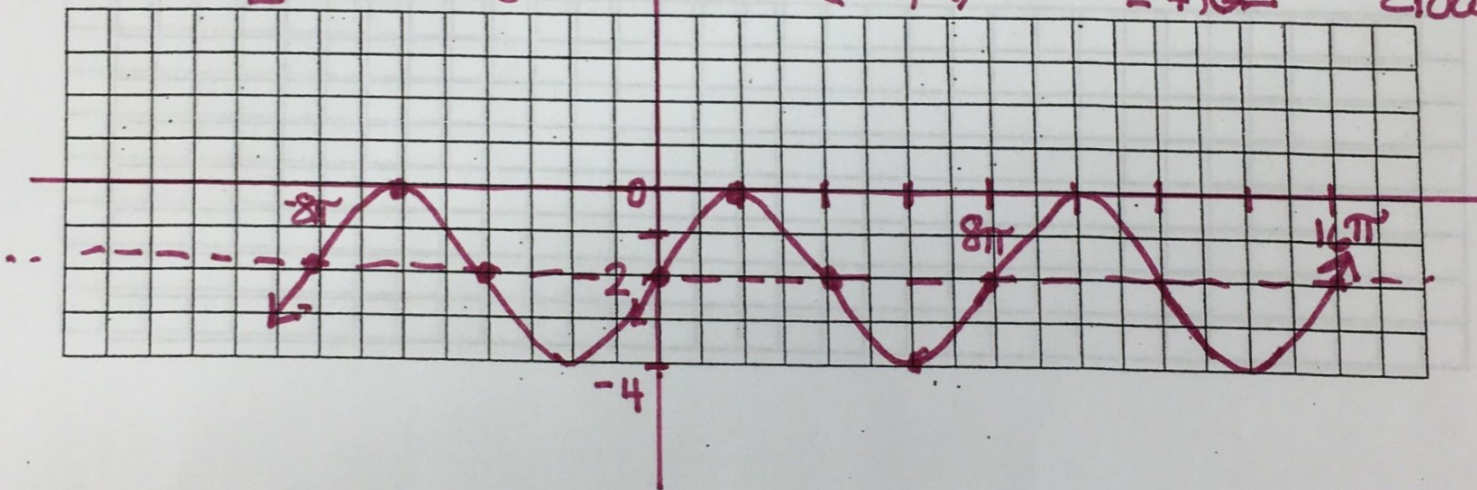
4.  $y = -3\cos(x/3) + 1$   
x-axis ref

Amplitude: 3      Period:  $6\pi$       Domain:  $(-\infty, \infty)$       Range:  $[-2, 4]$



5)  $y = 2\sin(x/4) - 2$

Amplitude: 2      Period:  $8\pi$       Domain:  $(-\infty, \infty)$       Range:  $[-4, 0]$   
 $[-2, 0]$  vs:  $[-4, 0]$



Amplitude:      Period:      Domain:      Range:

