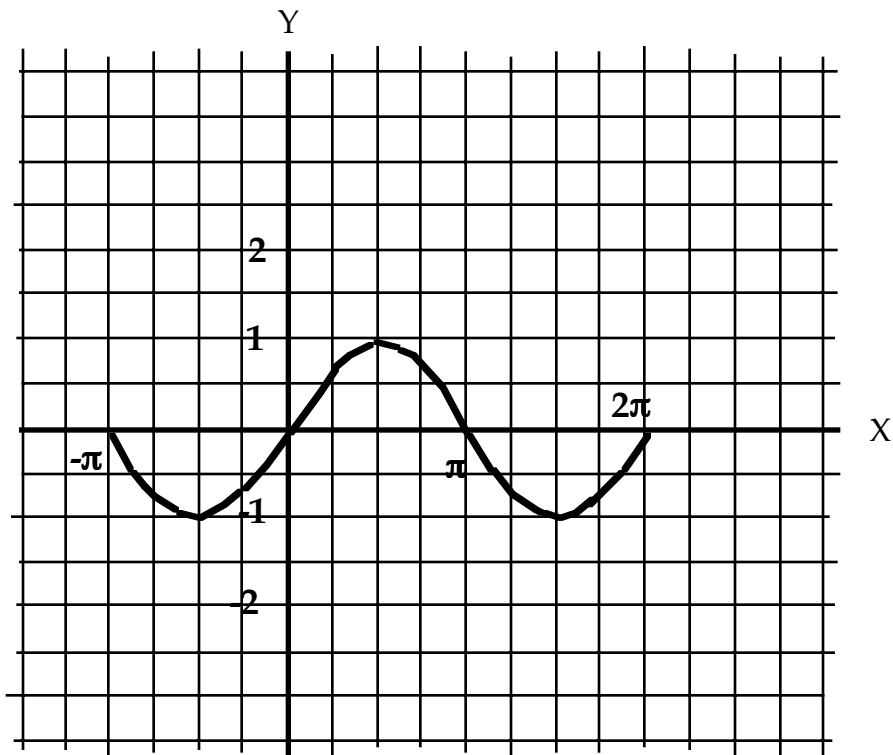


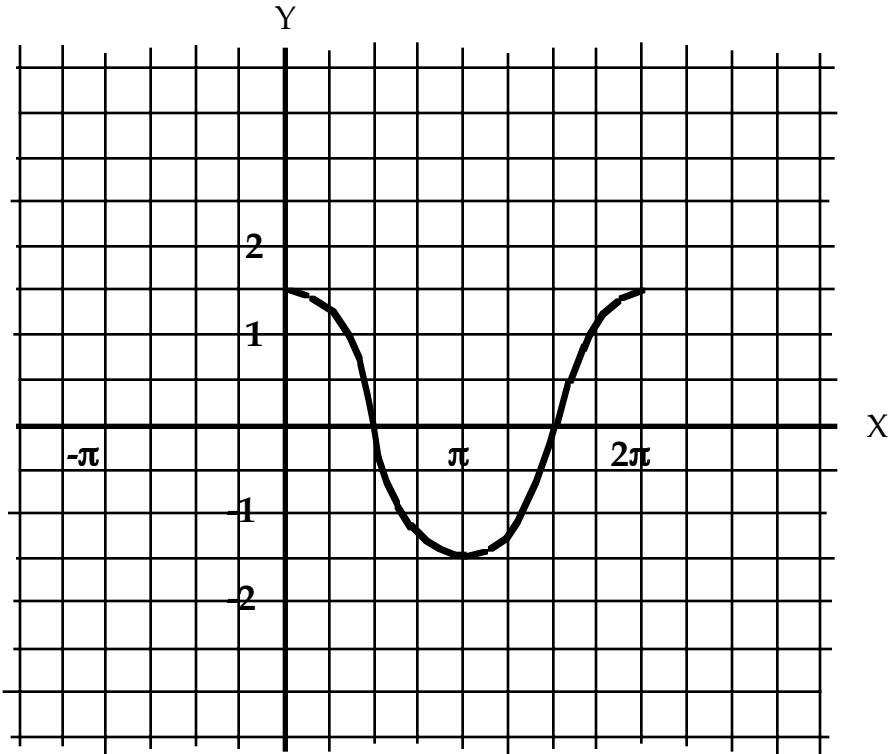
## Trig Equations W.S. 70

1) Write down the equations for the following graphs. Use the **Cos** function only.

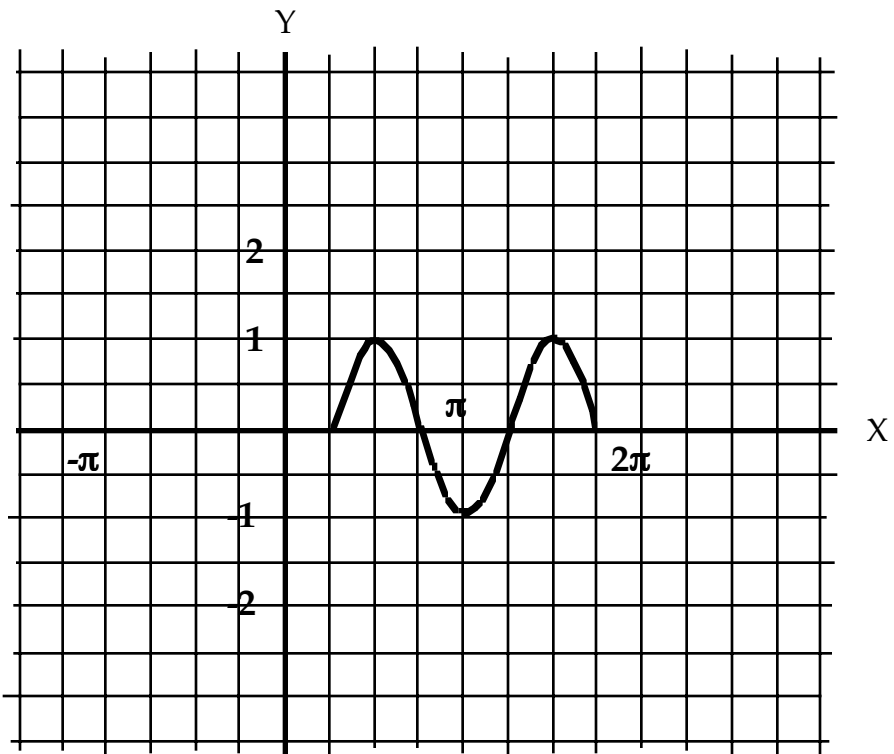
a)



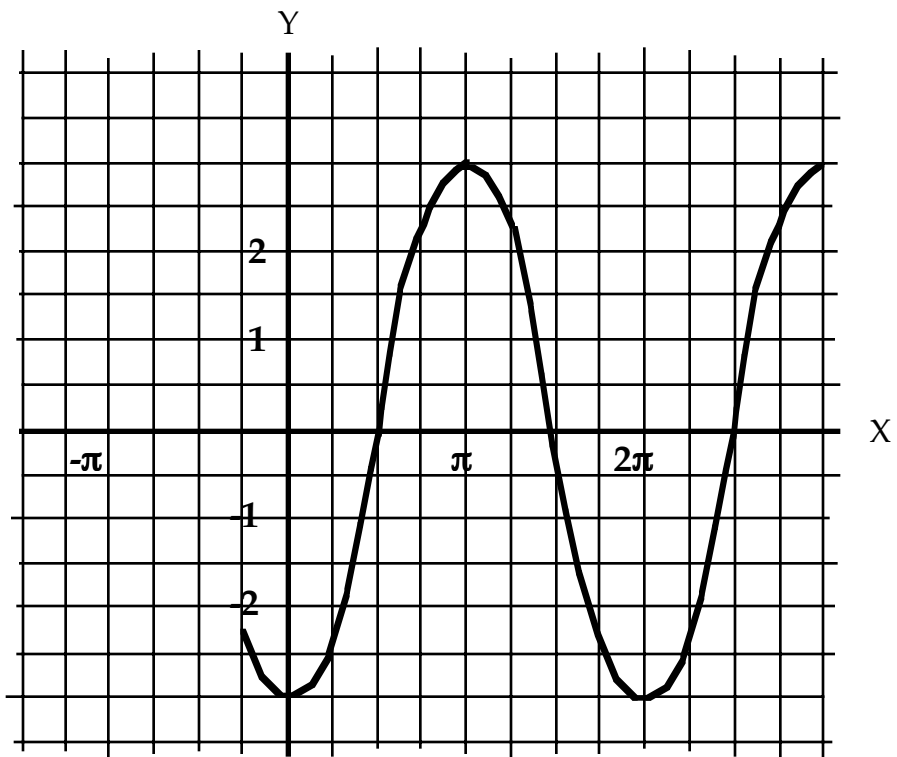
b)



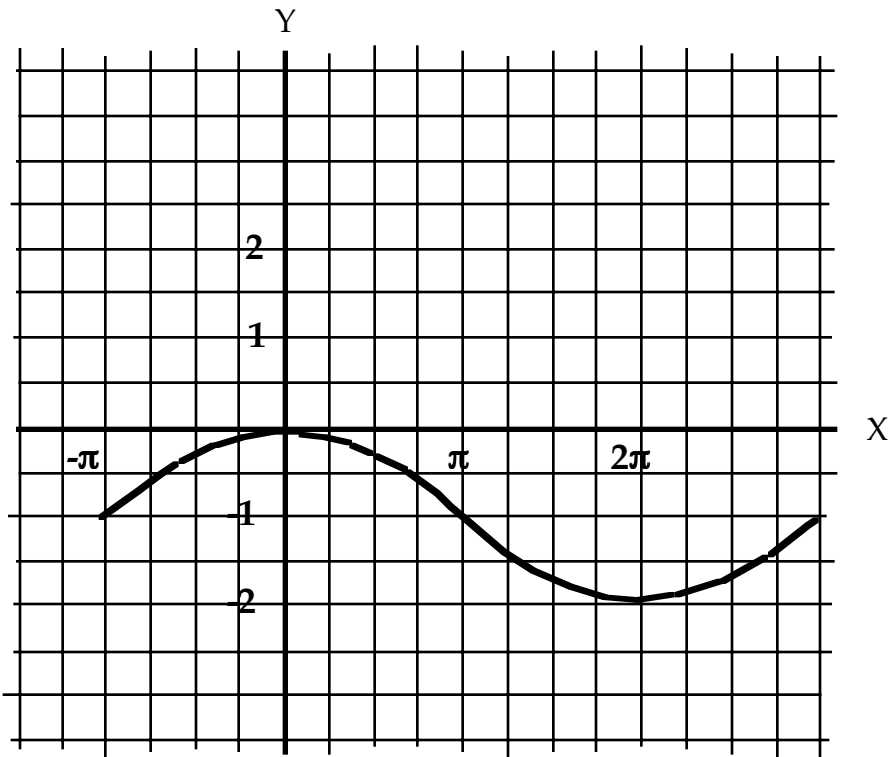
c)



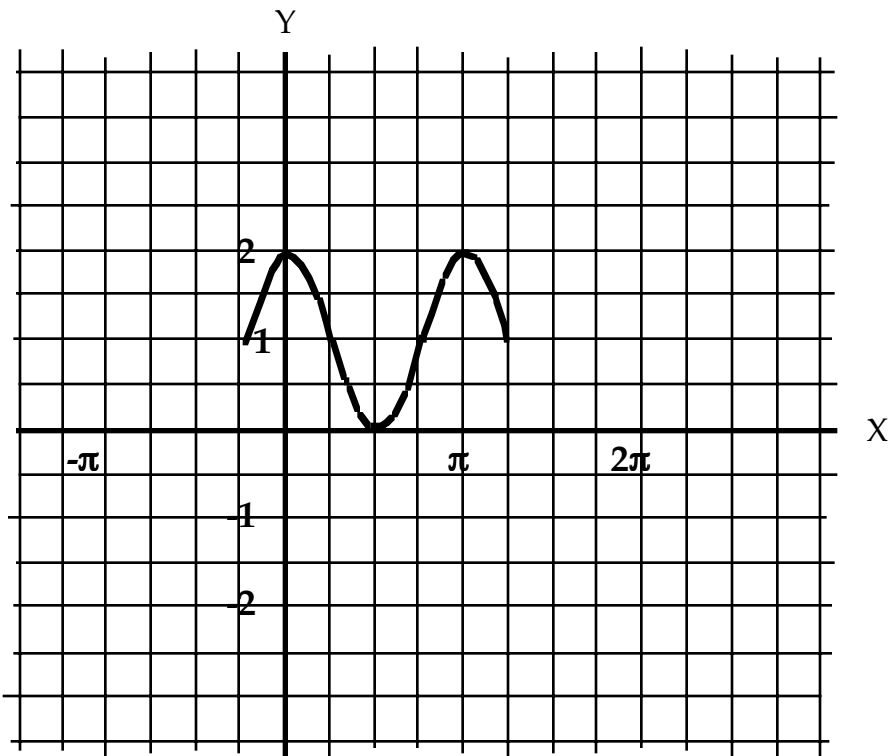
d)



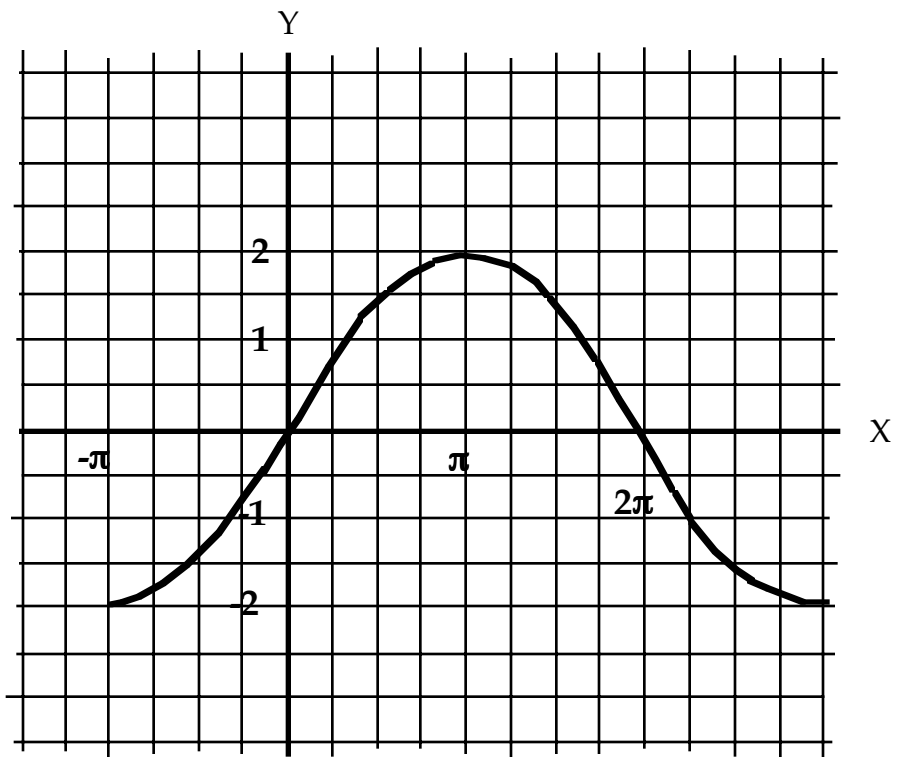
e)



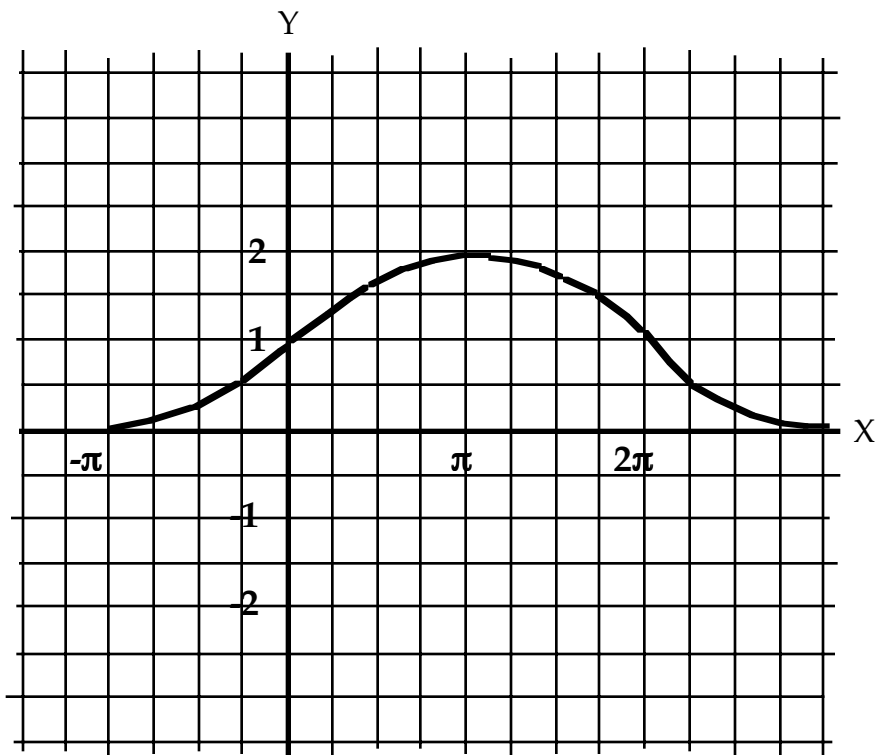
f)



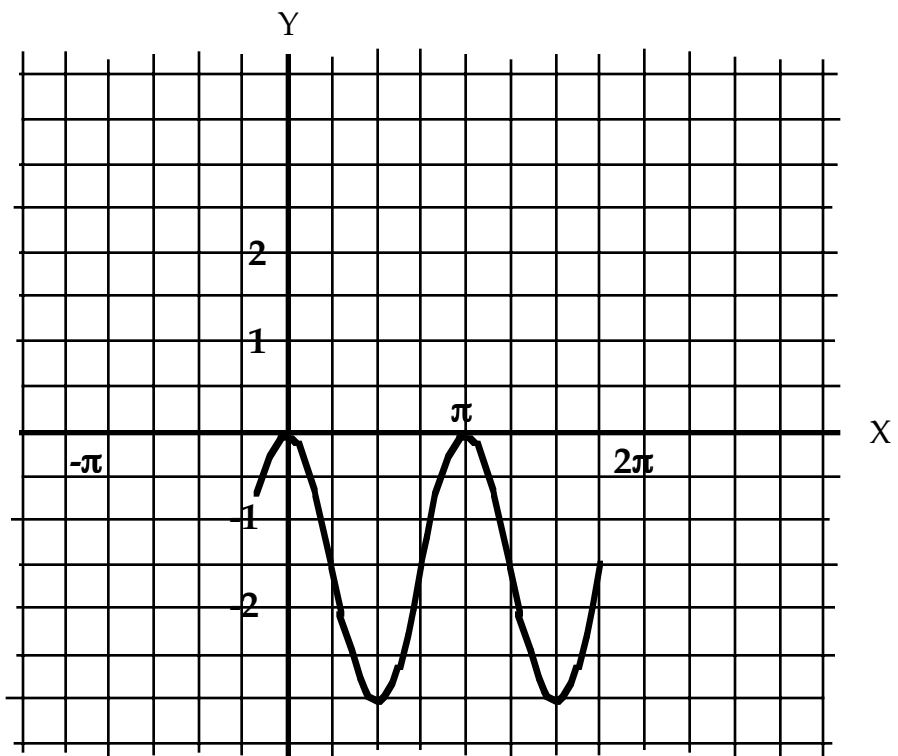
2)a)



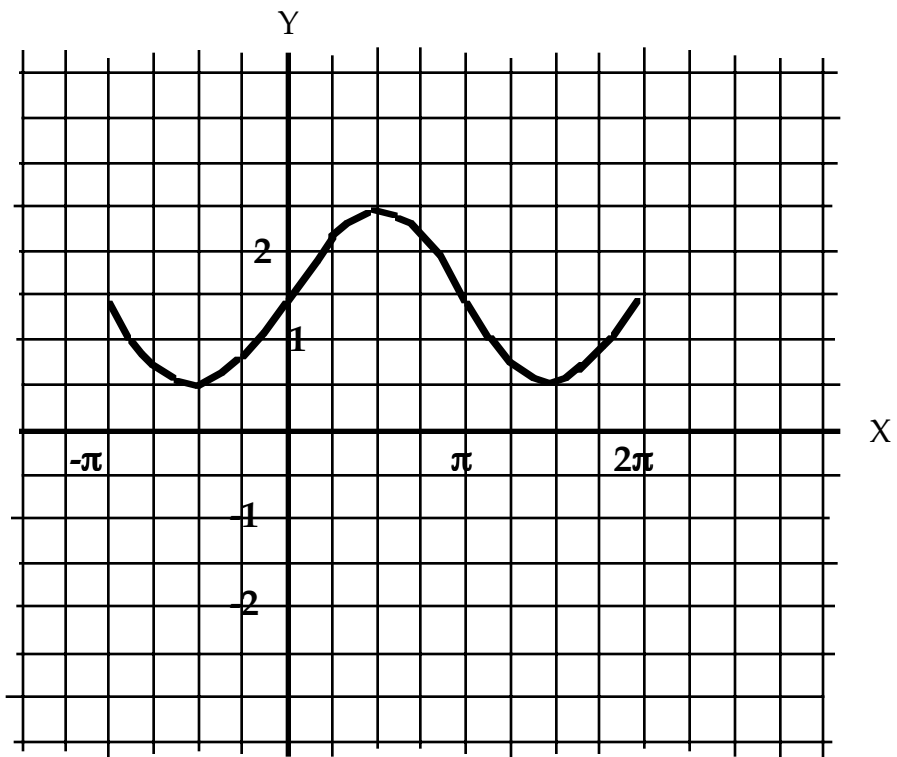
b)



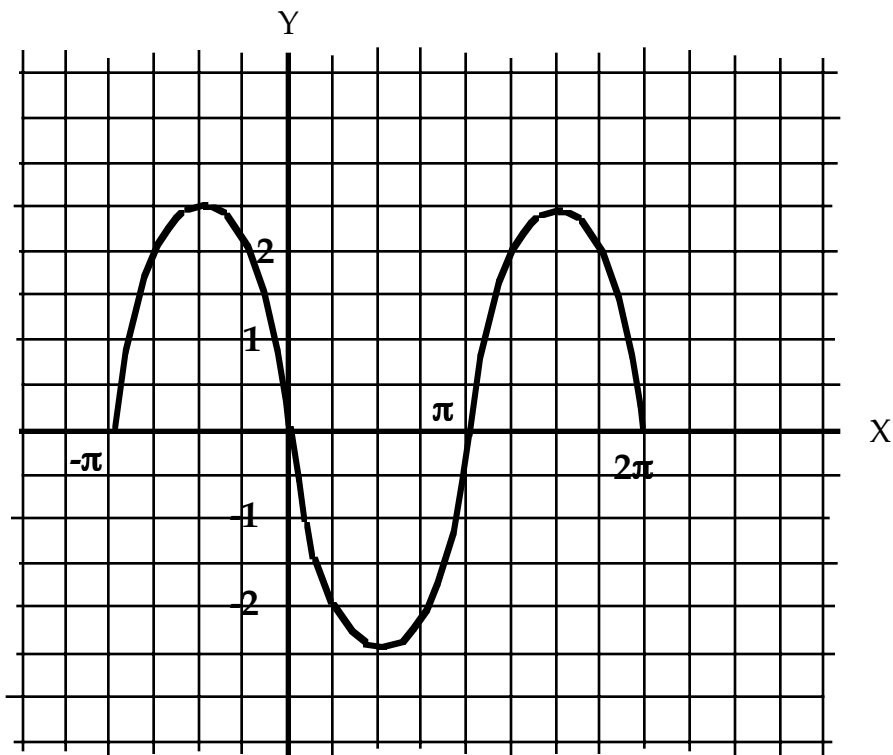
c)



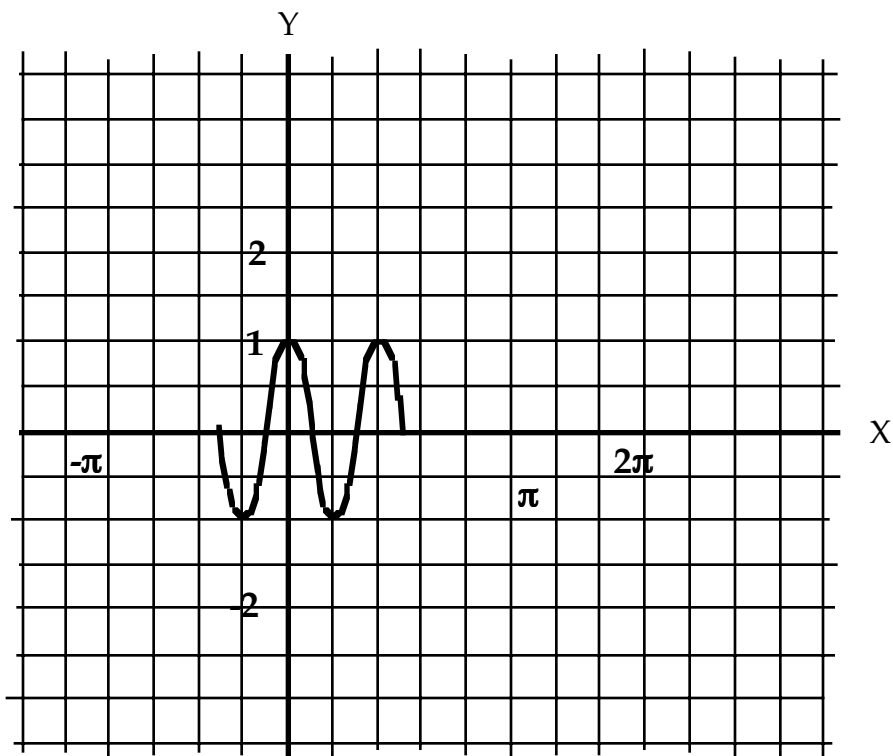
d)



e)



f)





Answers: 1)a)  $y = \cos(x - \pi/2)$ , b)  $y = 1.5 \cos(x)$ ,  
c)  $y = \cos 2(x - \pi/2)$ , d)  $y = 3 \cos(x - \pi)$ , e)  $y = \cos(x/2) - 1$ ,  
f)  $y = \cos 2(x) + 1$ , 2)a)  $y = 2 \cos((x - \pi)/2)$ ,  
b)  $y = \cos((x - \pi)/2) + 1$ , c)  $y = 1.5 \cos(2x) - 1.5$ ,  
d)  $y = \cos(x - \pi/2) + 1.5$ , e)  $y = 2.5 \cos(x + \pi/2)$ , f)  $y = \cos 4x$ .