

$B = \frac{2\pi}{2\pi} = 1$

Write the equation of the curve both as a function of sine and cosine.

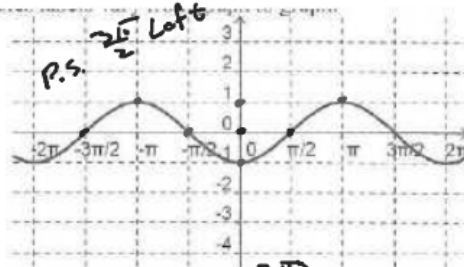
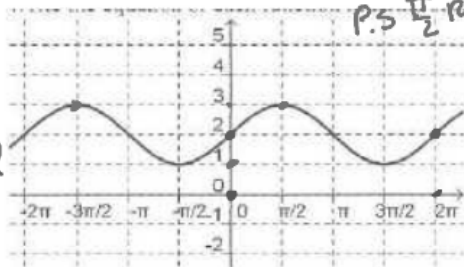
Per =  $2\pi$

$B = \frac{2\pi}{2\pi} = 1$

A = 1

V.S. = 0

Per  $2\pi$   
 $A = \frac{3-1}{2} = 1$   
 V.S.  $\frac{3+1}{2} = 2$



$Y = \sin x + 2$      $Y = \cos(x - \frac{\pi}{2}) + 2$

$Y = \sin(x + \frac{\pi}{2})$

$Y = -\cos x$

$Y = \cos(x - \pi)$

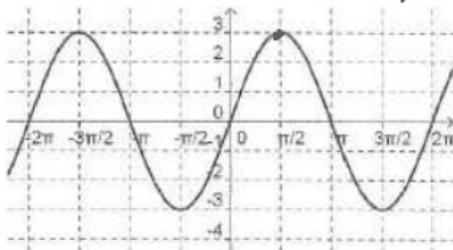
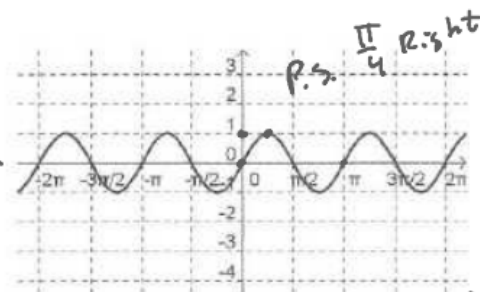
$Y = \cos(x + \pi)$

Amp = 1

Per  $\pi$

$B = \frac{2\pi}{\pi} = 2$

V.S. None



Amp = 3

Per =  $2\pi$

B = 1

V.S. None

$Y = \sin 2x$      $Y = \cos 2(x - \frac{\pi}{4})$

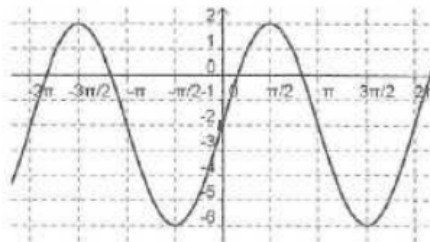
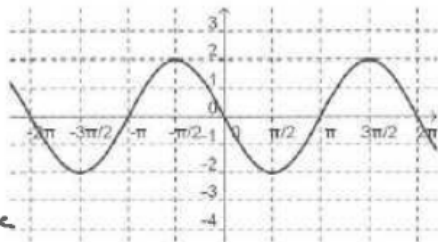
$Y = 3\sin x$      $Y = 3\cos(x - \frac{\pi}{2})$

A = 2

Per  $2\pi$

B = 1

V.S. None



Amp 4

V.S. Down 2

Per  $2\pi$

B = 1

$Y = -2\sin x$

$Y = 2\cos(x + \frac{\pi}{2})$

$Y = 4\sin x - 2$

$Y = 4\cos(x - \frac{\pi}{2}) - 2$