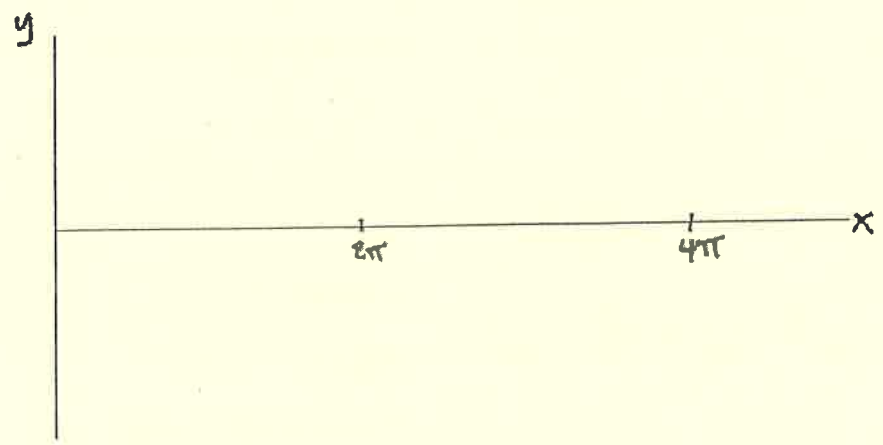


EXTRA Practice - Alg 2B

(A) Without using a calculator, identify the following for each of the two cyclic functions. Then sketch the graph.

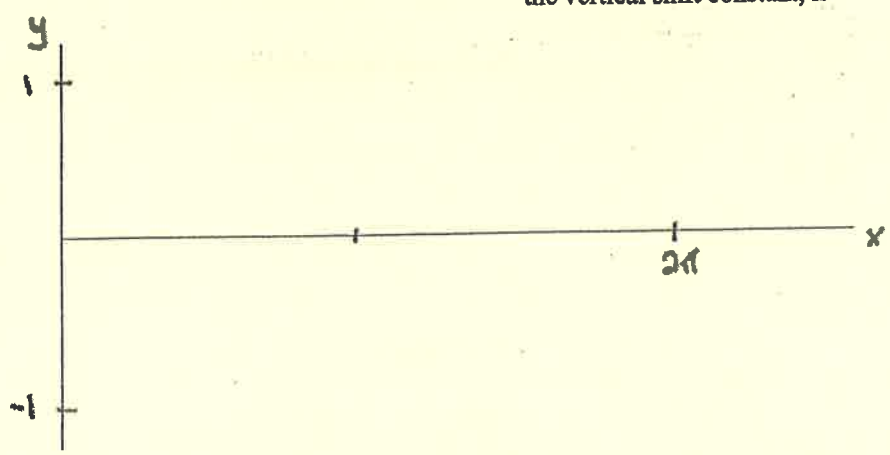
$$y = 2 \sin(x) + 1$$

Amplitude =
Period =
Horizontal shift constant, h =
the vertical shift constant, k =

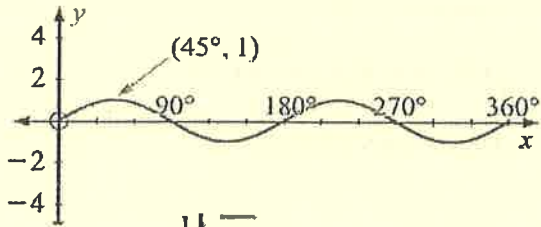


$$y = \frac{1}{2} \cos(2x)$$

Amplitude =
Period =
Horizontal shift constant, h =
the vertical shift constant, k =



B. Without using a calculator, identify the following for each of the two 4 graphs. Then write the equation of it's cyclic function.



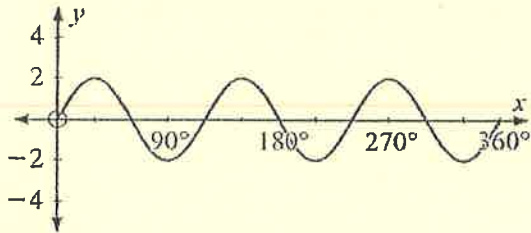
$y =$

Amplitude =

Period = , so $b =$

Horizontal shift constant, $h =$

the vertical shift constant, $k =$



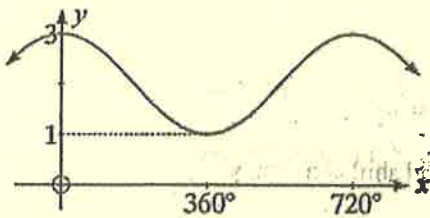
$y =$

Amplitude =

Period = , so $b =$

Horizontal shift constant, $h =$

the vertical shift constant, $k =$



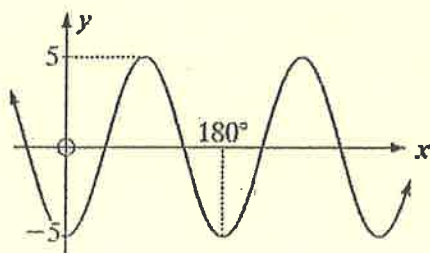
$y =$

Amplitude =

Period = , so $b =$

Horizontal shift constant, $h =$

the vertical shift constant, $k =$



$y =$

Amplitude =

Period = , so $b =$

Horizontal shift constant, $h =$

the vertical shift constant, $k =$