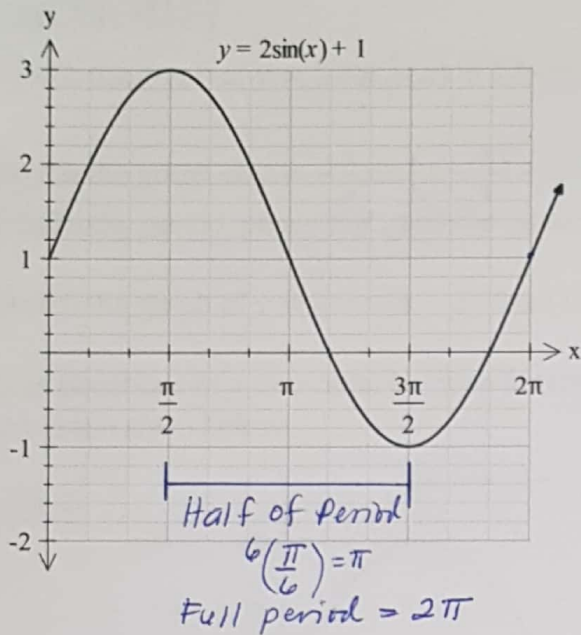


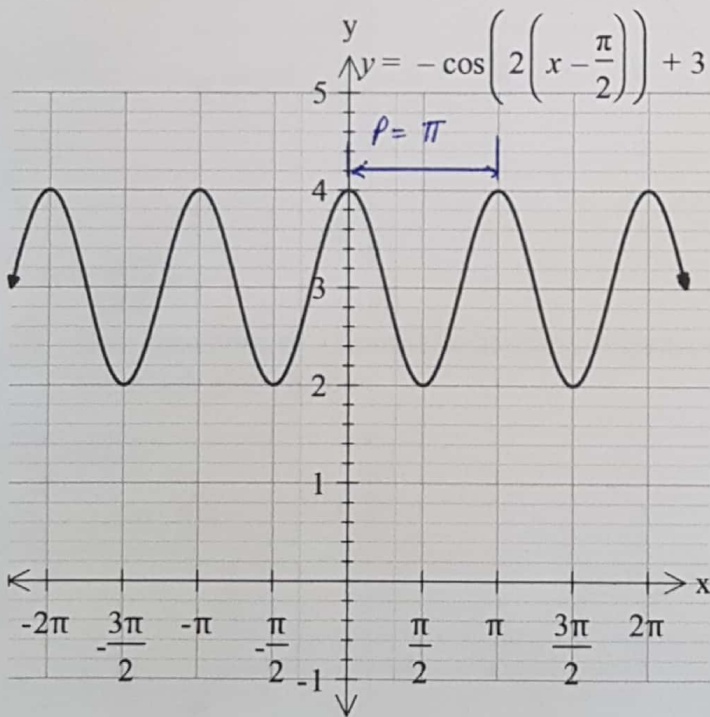
Determine the Characteristics of Sine and Cosine Functions

1) Given the function below. State the following characteristics.



- a) median  $y = 1$
- b) Maximum  $\max = 3$
- c) Minimum  $\min = -1$
- d) Amplitude  $a = 2$
- e) Range =  $[-1, 3]$
- f) Period  $P = 2\pi$  or USE EQUATION  
 $P = \frac{2\pi}{b}$   
 $P = \frac{2\pi}{1}$   
 $P = 2\pi$

2) Given the functions below. Determine the following properties below.



- a) median  $y = 3$
- b) Maximum  $\max = 4$
- c) Minimum  $\min = 2$
- d) Amplitude  $a = 1$
- e) Range  $[2, 4]$
- f) Period  $P = \pi$  or USE EQUATION  
 $P = \frac{2\pi}{b}$   
 $P = \frac{2\pi}{2}$   
 $P = \pi$