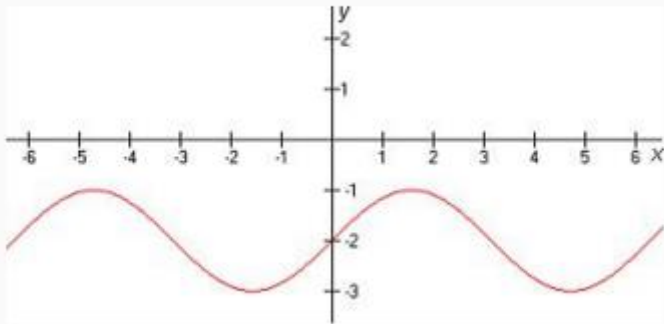


Answer on Question #58367 – Math – Trigonometry

Question 1

Choose the function whose graph is given by:



$y = \cos x - 2$

$y = -\sin x - 2$

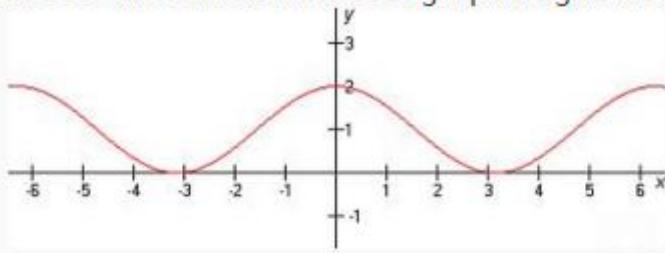
$y = \sin x - 2$

$y = -\cos x - 2$

Answer: $y = \sin x - 2$.

Question 2

Choose the function whose graph is given by:



$y = \cos(x + 1)$

$y = \sin x + 2$

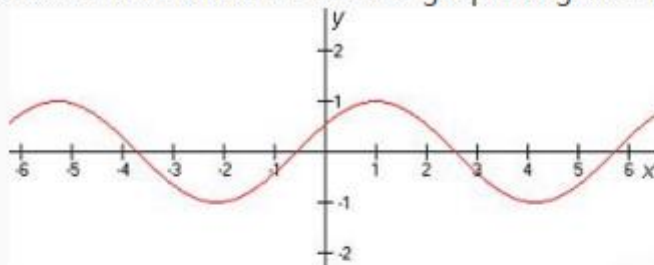
$y = \cos x + 1$

$y = \cos x + 2$

Answer: $y = \cos x + 1$.

Question 3

Choose the function whose graph is given by:



$y = \cos x - 1$

$y = \cos(x + 1)$

$y = \cos(x - 1)$

$y = \sin(x - 1)$

Answer: $y = \cos(x - 1)$.

Question 4

The graph of $y = 4\sin(x + 3) - 2$ is obtained by shifting the graph of $y = 4\sin x - 2$ horizontally 3 units to the left.

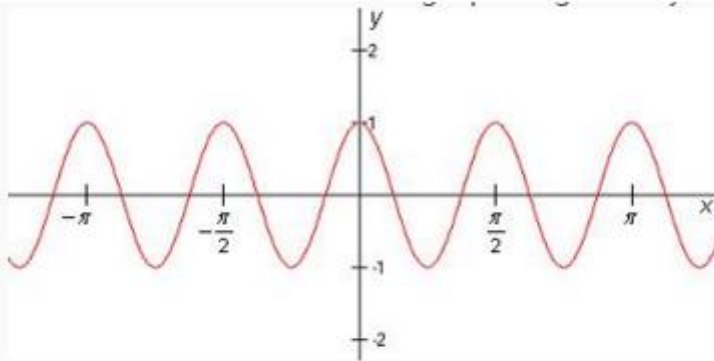
True

False

Answer: True.

Question 5

Choose the function whose graph is given by:



$y = \cos(2x)$

$y = \cos\left(\frac{1}{4}x\right)$

$y = \cos(4x)$

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

Answer: $y = \cos(4x)$.