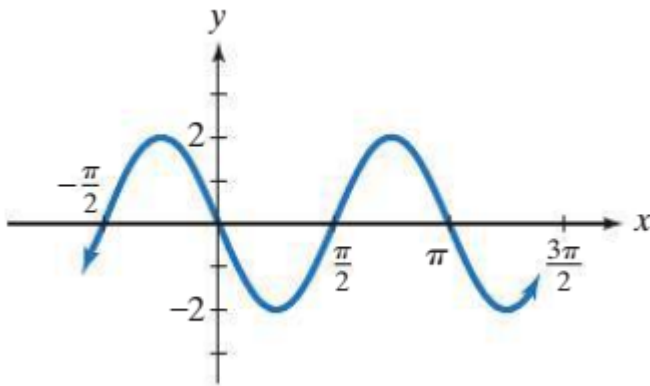


Question 1

What is the equation of the following graph:



- $y = -2 \sin(x)$
 - $y = 2 \sin(x)$
 - $y = 2 \sin(2x)$
 - $y = -2 \sin(x/2)$
 - $y = -2 \sin(2x)$
-

Question 2

Choose the right values:

1. $\tan^{-1}(-\sqrt{3}) =$

- Selection Options:
 - $\pi/6$
 - $\pi/3$
 - $-\pi/3$
 - $-\pi/6$

2. $\arccos(\cos(\frac{4\pi}{3})) =$

- Selection Options:
 - $4\pi/3$
 - $\pi/3$
 - $2\pi/3$
 - $-2\pi/3$

3. $\cot(\arctan(3/x)) =$

- Selection Options:
 - $x/3$
 - $3x$
 - $1 + x$
-

Question 3

A ship leaves port with a bearing of S 40° W. After traveling 8 miles, the ship turns 90° and travels on a bearing of N 50° W for 14 miles. At that time, what is the bearing of the ship from port?

- N 79.75° W
- N 10.25° W
- S 10.25° W
- N 50° W