Precalculus Quiz #5

No books, notes or calculators

Use a pink parscore. **Test Form A**

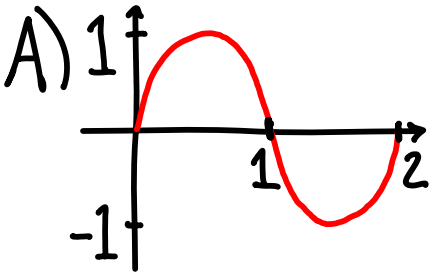
#1) Which of the following is a graph of $y = 2\sin(x - \frac{\pi}{4})$?

#2) Which of the following is a graph of $y = \sin(x + \pi/4)$?

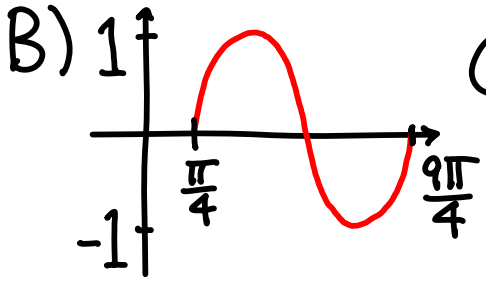
#3) Which of the following is a graph of $y = \sin(\pi x)$?

#4) Which of the following is a graph of $y = 2\sin(\pi x/4)$?

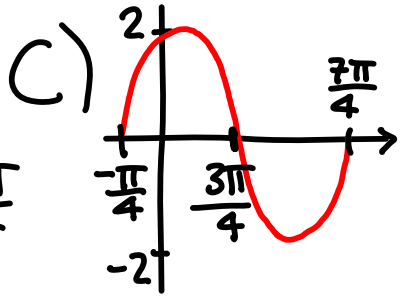
A)



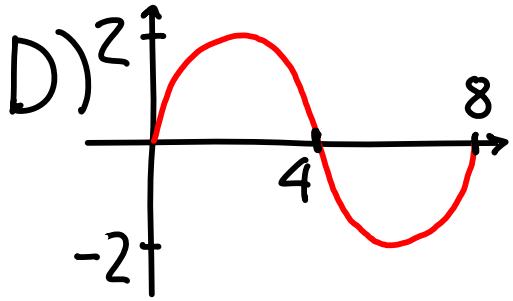
B)



C)



D)



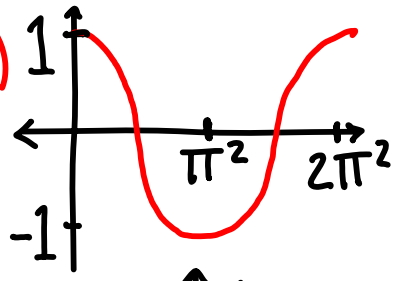
E) None of the above

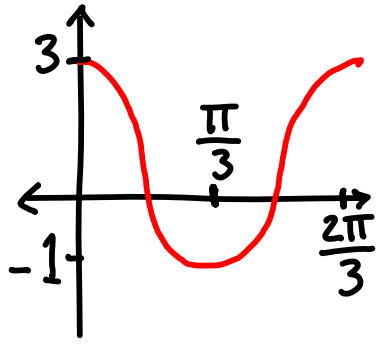
#5) Which of the following is a graph of $y = 3\cos(x+\pi) - 1$?

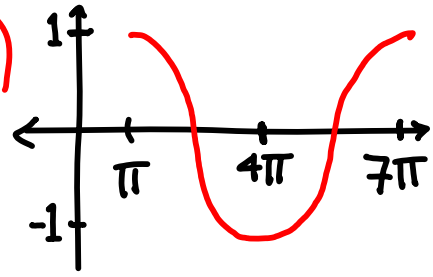
#6) Which of the following is a graph of $y = 3\cos(2x) + 1$?

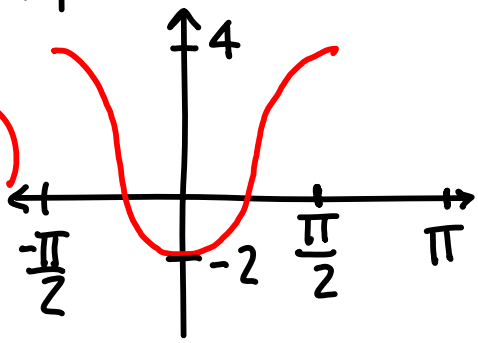
#7) Which of the following is a graph of $y = 2\cos(\pi x + \pi)$?

#8) Which of the following is a graph of $y = \cos(x/\pi)$?

A) 

B) 

C) 

D) 

E) None of the above

#9) What is the phase shift of $3\cos(4x-2)+9$?

A) 2 B) 1/2 C) -2 D) π/2 E) None of the above

#10) Which two functions have identical graphs?

A) $y = \sin(x)$
$y = \cos\left(x + \frac{\pi}{2}\right)$

B) $y = 1 + \cos^2(x)$
$y = \sin^2(x)$

C) $y = \tan x$
$y = \frac{\cos x}{\sin x}$

D) $y = (x+1)^2$
$y = x^2 + 1$

E) None of the above
