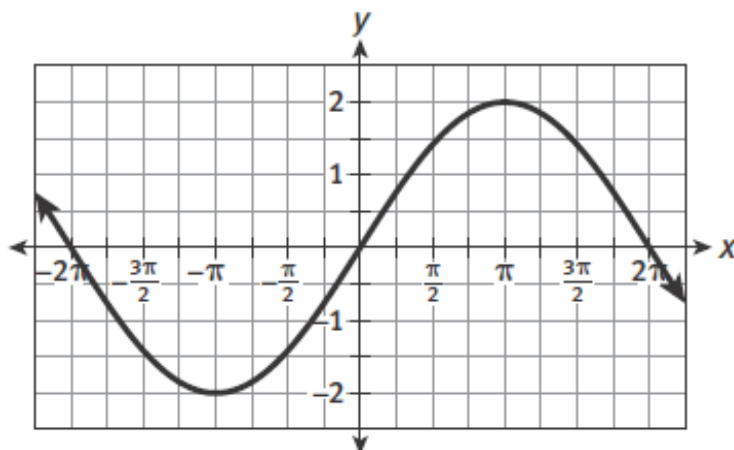


Warm Up: Pre-Calc

2/7



What do you know about this graph?

Feb 27-7:39 AM

Solutions to P.W.:

a) $P = 2\pi$ $A = 2$

b) $P = \frac{2\pi}{3}$ $A = 1$

c) $P = 2\pi$ $A = 3$ Vertical shift down 1

d) $P = \pi$ $A = 1$ Reflect over x Horizontal shift left $\frac{\pi}{2}$

e) $P = 4$ $A = 1$

f) $P = 8\pi$ $A = 3$ Vertical shift up 2 Horizontal shift right π

g) $P = \frac{2\pi}{3}$ $A = 4$ Vertical shift up 1 Horizontal shift right $\frac{\pi}{3}$

Feb 27-7:39 AM

$$\text{d. } y = -\cos\left[2\left(x + \frac{\pi}{2}\right)\right]$$

Feb 7-11:02 AM

$$\text{e. } y = \cos\left(\frac{\pi x}{2}\right)$$

Feb 7-10:53 AM

$$g. y = 4 \cos (3x - \pi) + 1$$

Feb 7-11:00 AM

W.A.L.T.:

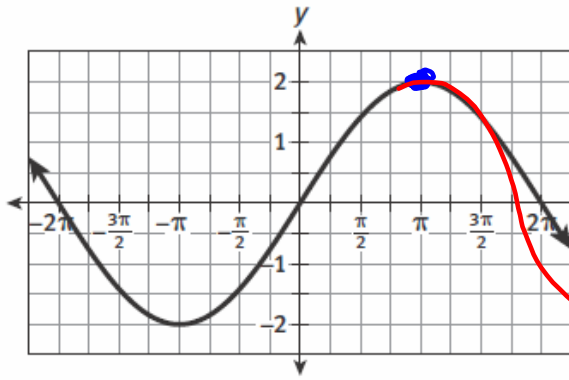
Apply our understanding of the transformations of functions to read and write information about $f(x) = \cos x$ and $g(x) = \sin x$ functions.

W.A.S.I.:

We can read and write parent functions of sine and cosine for period, amplitude and midline.

Mar 7-9:45 AM

In Class Work:



1) What is the period and amplitude of the graph?

2) What is the equation of the function?

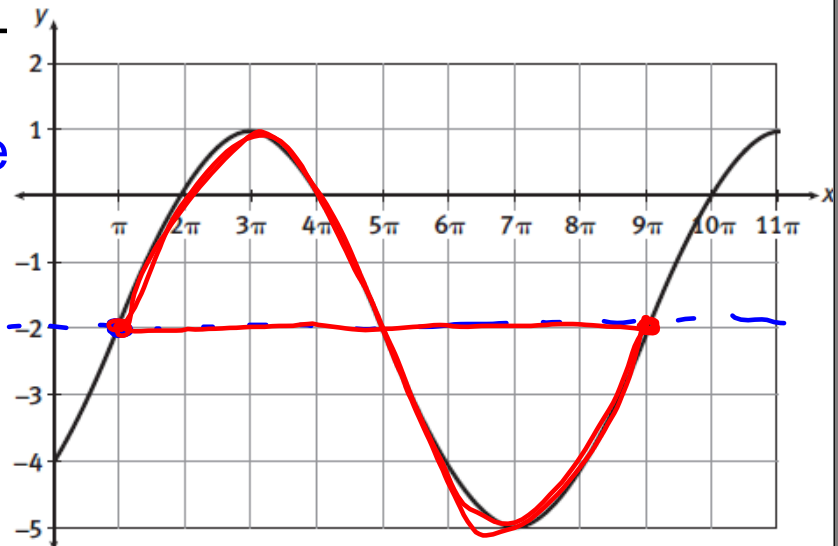
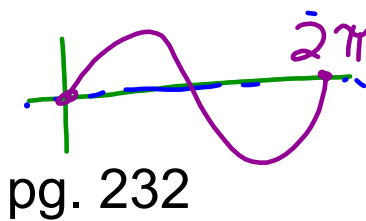
3) What is the equation of a graph that is half as wide and twice as tall?

Same as Warm Up

Mar 7-1:33 PM

In Class Work:

Write an equation for the graph in terms of sine.

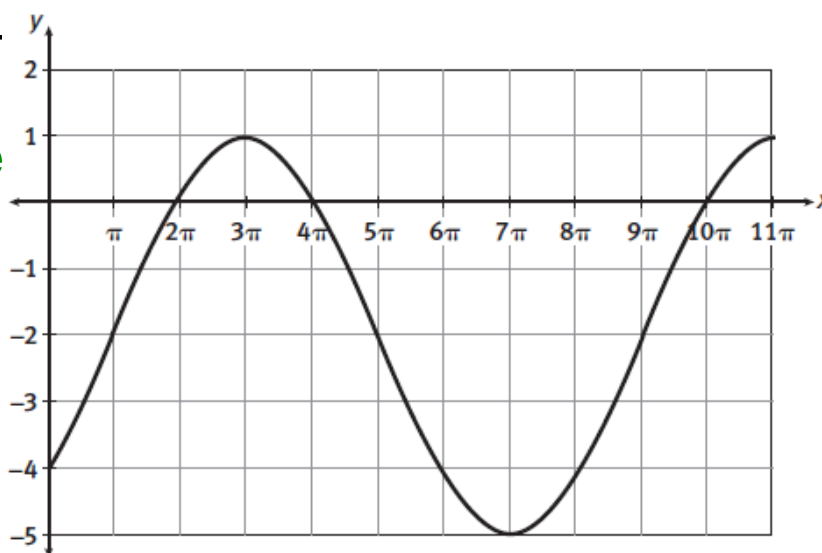


Mar 7-1:33 PM

In Class Work:

Write an equation for the graph in terms of cosine.

pg. 232



Mar 7-1:33 PM

In Class Work:

pg. 233 #5 - 7

Mar 7-1:33 PM

Today's Activities:

- Writing Trigonometric Equations

P.W. for tonight:

- pg. 233 #5 - 7

Feb 27-7:23 AM