

Daily Agenda

Learning Targets:

- I can graph angles, arcs, and find reference angles
- I can find values on the unit circle
- I can graph sine and cosine functions with shifts.

Homework
Worksheet

Assessments
Unit Circle Mastery
8.1 to 8.4 Quiz - 2/14
Unit 8 Test - 2/22

Sometimes the questions are complicated and the answers are simple.
- Dr. Suess

Nov 15-8:24 PM

① $y = 2 + 3\cos 4(x - \frac{\pi}{8})$

amp 3
per. $\frac{\pi}{2}$
 $\uparrow 2 \rightarrow \frac{\pi}{8}$

Feb 13-11:16 AM

② $y = 1 - 2\sin \frac{1}{2}(x + \pi)$

amp 2
per. 4π
 $\uparrow 1 \leftarrow \pi$
reflect
over x

Feb 13-11:18 AM

③ period \rightarrow length of one cycle
frequency \rightarrow how many cycles in 2π
how many times graph repeats in 2π

Feb 13-11:20 AM

④ Midline \rightarrow horizontal line through center of graph.
When there is a V.S. helps us to see new middle.

Feb 13-11:21 AM

Sketch the angle 750° . Find and label the reference angle. Find two coterminal angles.

R.A. = 30°
 $\theta = 750^\circ$

390°
30°
1110°
-330°

Mar 11-9:06 AM

Find each value.

$\sin \frac{5\pi}{6} = \frac{1}{2}$
 $\sec \frac{\pi}{3} = 2$
 $\tan \frac{5\pi}{4} = 1$

S	A
T	C

All: Students: Take: Calc
All: Sine: Tan: Cosine

Feb 13-11:24 AM

$y = 4 + 2 \cos \frac{1}{3}(x - \pi)$

vertical shift = midline
amp 2
per: 6π
 $\uparrow 4 \rightarrow \pi$

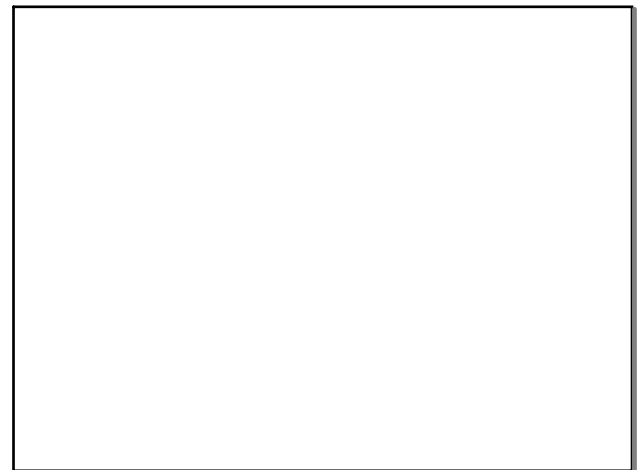
dist = per = 6π

Mar 4-8:32 AM

$y = 3 + 5 \sin \frac{\pi}{4}(x - 3)$

amp 5
per 8
 $\uparrow 3$
 $\rightarrow 3$

Mar 4-8:32 AM



Feb 13-11:24 AM