Before we begin, are there any questions from last day's work?

Collect Homework: 4.1.1 Tues. Apr.5

4.2.1 Thurs. Apr.7

Today's Learning Goal(s):

By the end of the class, I will be able to:

a) Sketch a trig function with 4 transformations.

Discuss the last Quiz (SWYK 4.1) if everyone has written it!

Discuss the advantages of:

- a) actually doing the homework questions
- b) having done a) above, then being prepared with a list of questions that need clarification when I ask, "Are there any questions from the homework?"
- c) reading over the lesson examples before a quiz or test

Return and Correct the Quiz? Not Done Yet (Spring 2016)

(See next slide first)

You had 7 nights to complete the homework from 4.1.1, and to ask for clarification before the quiz.

Lesson 4.1.1 Ex. 2

The point P(-12, -5) lies on the terminal arm of  $\theta$ . Determine the primary trig ratios.

Homework questions 4.4.2 #1) b,c,d,f 2) e,f,g,h

Quiz Question #1

The point P(-2, 7) lies on the terminal arm of  $\theta$ . Determine the primary trig ratios.

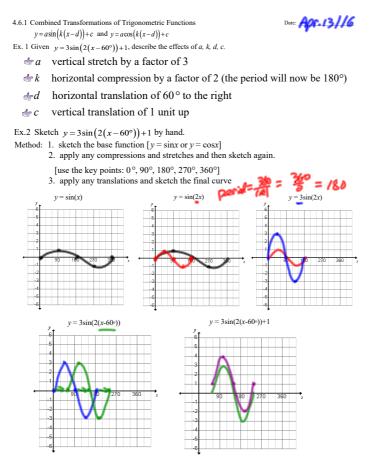
Lesson 4.1.1 Ex. 4

Angle  $\theta$  is in standard position. If  $\tan \theta = \frac{5}{7}$ , determine  $\sin \theta$  and  $\cos \theta$ .

Homework questions 4.4.2 #7) a-f

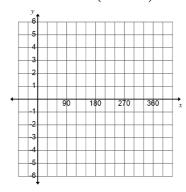
Quiz Question #2

2. Angle  $\theta$  is in standard position. If  $\sin \theta = \frac{-8}{9}$ , determine  $\cos \theta$ .

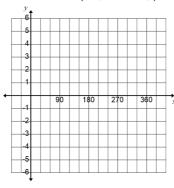


4.6.2 Practice Sketch by hand.

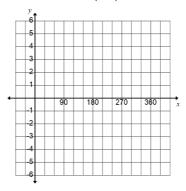
a) 
$$y = 2\sin(x-90^\circ)$$



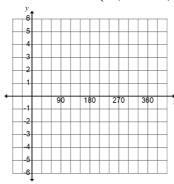
$$y = \cos(2(x+30^\circ))$$



b) 
$$y = \sin(3x) + 4$$

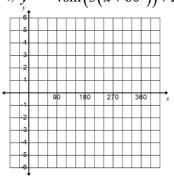


d) 
$$y = 3\sin(4(x-60^\circ))-2$$

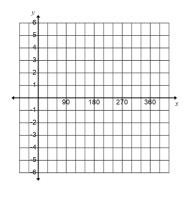


4.6.2 Practice Sketch by hand.

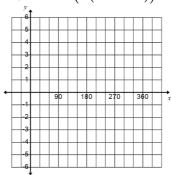
e) 
$$y = -4\sin(3(x+60^\circ)) + 2$$



g) 
$$y = -5\cos(2(x-45^\circ))+1$$



f) 
$$y = 6\cos(4(x-120^\circ))$$



h) 
$$y = 4\sin\left(\frac{1}{2}(x - 60^{\circ})\right) + 2$$

