

## Today's Learning Goal(s):

Date: \_\_\_\_\_

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

- determine the **exact** values of trig ratios.
- solve a trig equation.

Last day's work: pp. 299-300 #(1 – 5)bd  
Standard Posion Wkst#1  
8-3 1cd, 2bc, 6, 7a, 9

### 5.4 Evaluating Trigonometric Ratios for $0^\circ \leq \theta \leq 360^\circ$ (Day3)

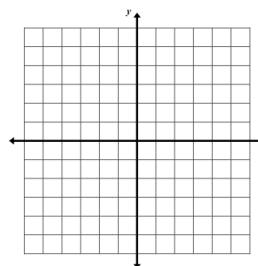
Date: \_\_\_\_\_

Ex.1

The angle,  $\theta$ , lies in **quadrant 2** with  $0^\circ \leq \theta \leq 360^\circ$ .

- Determine the **exact** values of the primary trigonometric ratios for  $\theta$ .

$$\cos \theta = -\frac{2}{3}$$



- Find  $\theta$ , to the nearest degree.

5.4\_3 Evaluating Trigonometric Ratios for Any Angle Between 0 and 360 (Day 8, Feb 20, 2015)

Ex.2 Solve for  $0^\circ \leq \theta \leq 360^\circ$

a)  $\tan\theta = -0.6249$

b)  $\cos\theta = 0.5592$

c)  $\sin\theta = -0.5$

Ex.3 Determine the values of  $\theta$ , if  $\sec\theta = -\frac{2\sqrt{3}}{3}$ , and  $0^\circ \leq \theta \leq 360^\circ$ .

**Are there any Homework Questions you would like to see on the board?**

Last day's work: pp. 299-300 #(1 – 5)bd  
Standard Position Wkst#1  
8-3 1cd, 2bc, 6, 7a, 9

Today's Homework Practice includes:

pp. 300-301 #6 – 9ace, 10, 12 [15]

Review p. 304 #1 – 13