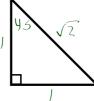
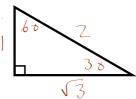
## 2.5 Review

Special angles: 30°, 45° and 60° are common angles in trig. You can determine the exact trig ratios for these angles by refering to these two trangles.

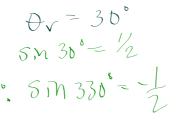


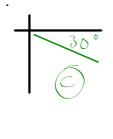


Ex. Determine the exact value of cos 225° and then sin 330°.

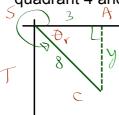
Ex. Determine the exact value of 
$$\cos 225^\circ$$
 and then  $\sin 330^\circ$ .

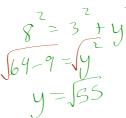
if  $\partial = 225$ 
 $\partial = 35^\circ$ 
 $\sin 30^\circ = 12$ 
 $\sin 330^\circ = 12$ 
 $\sin 330^\circ = 12$ 





Ex. Suppose  $\theta$  is an angle in standard position with terminal angle in quadrant 4 and cos  $\theta$  = 3/8. What are the exact values of sin  $\theta$  and tan  $\theta$ ?





$$5MA = -\frac{55}{8}$$

$$fan A = \sqrt{55}$$

Ex. Solve for  $\theta$  if  $0 < \theta < 360$ 

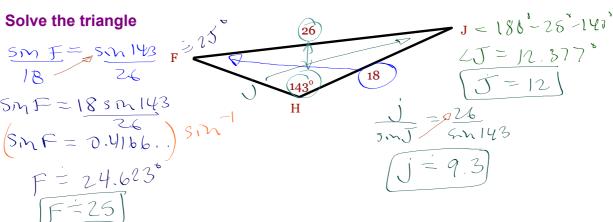
0 = tan (0.85)

A = 40.3645...

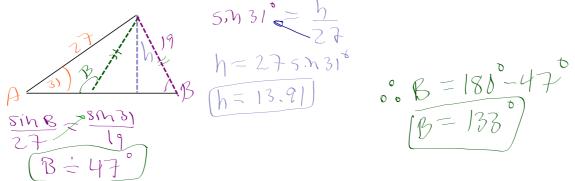
a)  $\tan \theta = 0.85$ 

b) 
$$\sin \theta = -1/2$$

Sin 2=1/2 comos from a special D 5.h 30° = 5



Solve the following triangle if angle  $A = 31^{\circ}$ , a = 19, and b = 27



Solve the following triangles