

# C\_09 Key and Trig Practice #2

Tuesday, October 9, 2018 2:52 PM

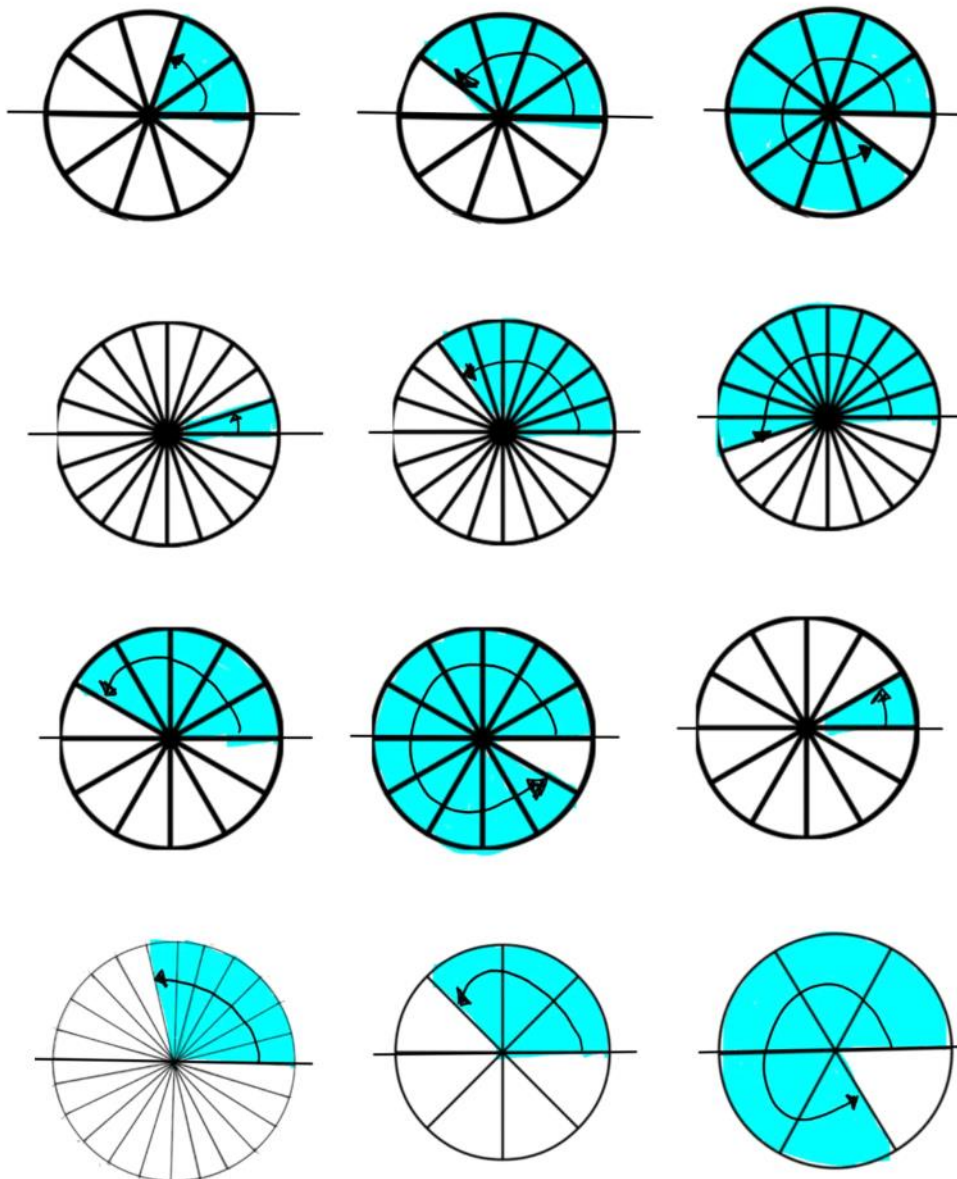


C\_09 Trig Practice #2

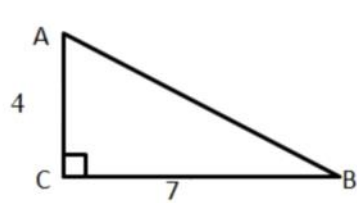
See solutions below

### Trigonometry Practice - #2

1. Label each angle with its measure in radians. Give angles as fractions, in terms of  $\pi$



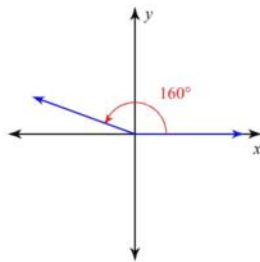
2. Write the values of the six trigonometric ratios for angle A in the triangle below. One ratio is already done for you.



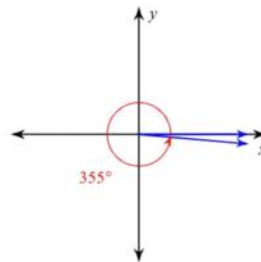
$$\tan A = \frac{7}{4}$$

3. For each diagram, find the size of the angle between the terminal arm of the given angle and the X-axis.

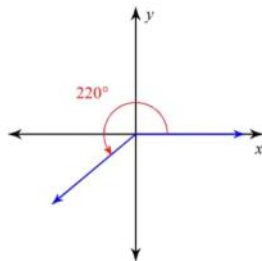
a)



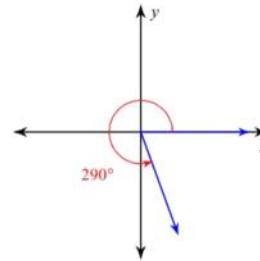
b)



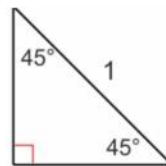
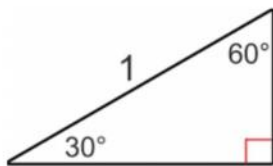
c)



d)



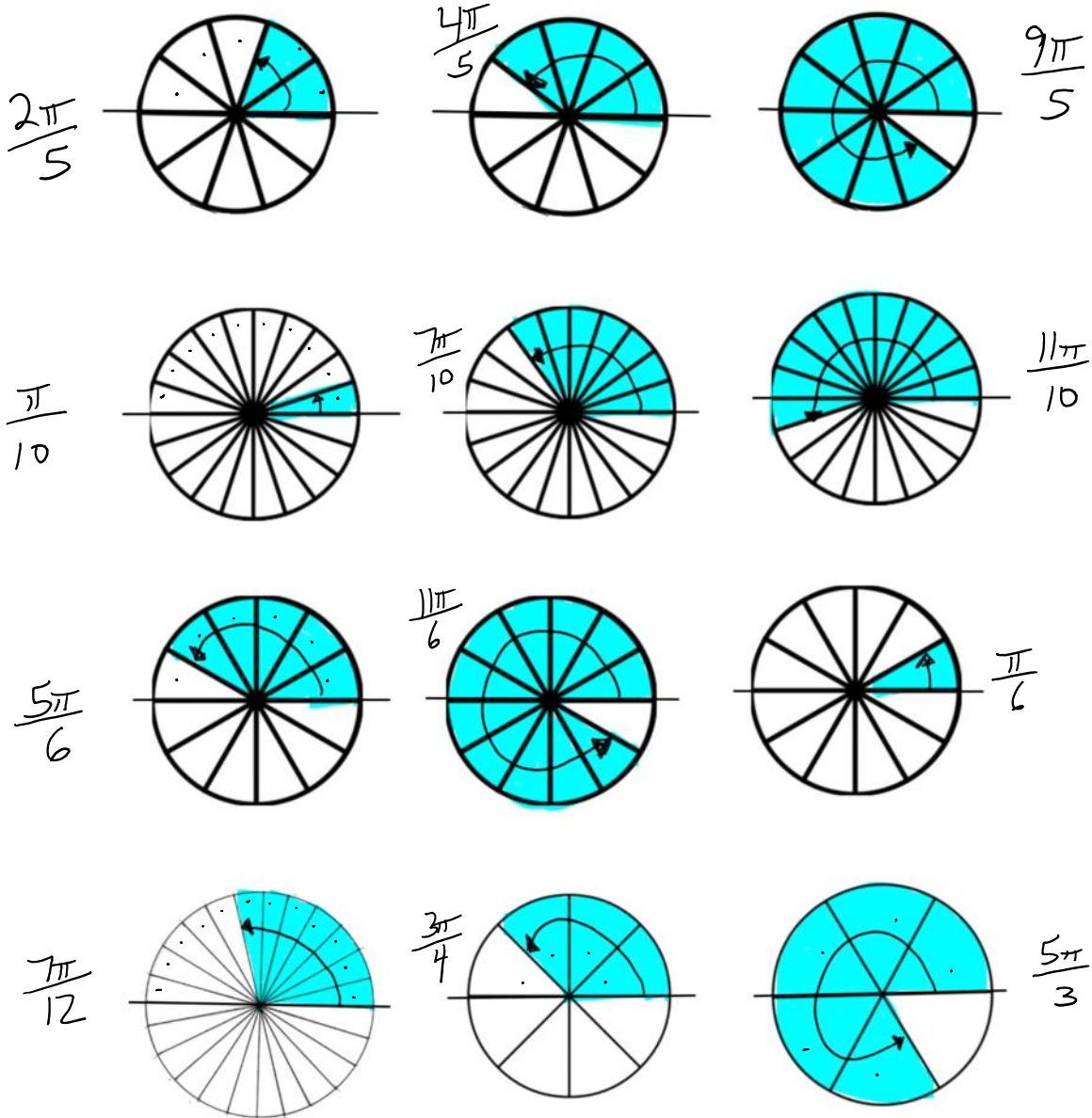
4. Fill in the missing information for each SPECIAL TRIANGLE pictured below.



# Key

## Trigonometry Practice - #2

1. Label each angle with its measure in radians. Give angles as fractions, in terms of  $\pi$



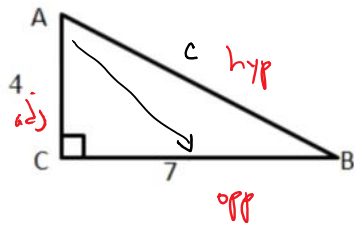
2. Write the values of the six trigonometric ratios for angle A in the triangle below. One ratio is already done for you.

$$4^2 + 7^2 = c^2$$

$$16 + 49 = c^2$$

$$65 = c^2$$

$$c = \sqrt{65}$$



$$\tan A = \frac{7}{4}$$

$$\cot A = \frac{4}{7}$$

$$\sin A = \frac{7}{\sqrt{65}}$$

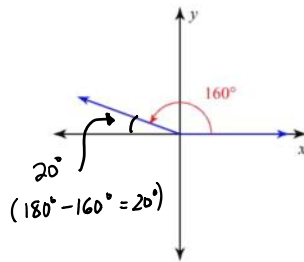
$$\csc A = \frac{\sqrt{65}}{7}$$

$$\cos A = \frac{4}{\sqrt{65}}$$

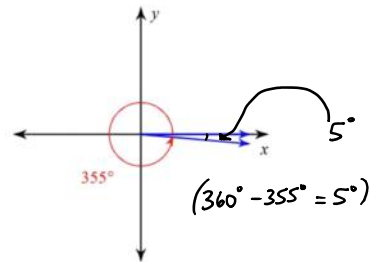
$$\sec A = \frac{\sqrt{65}}{4}$$

3. For each diagram, find the size of the angle between the terminal arm of the given angle and the X-axis.

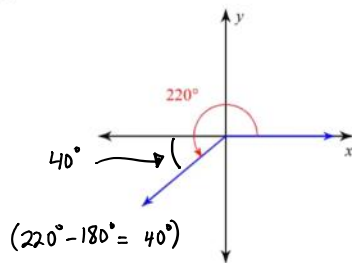
a)



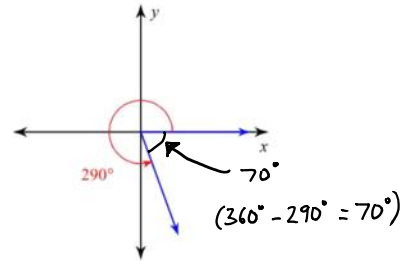
b)



c)



d)



4. Fill in the missing information for each SPECIAL TRIANGLE pictured below.

