

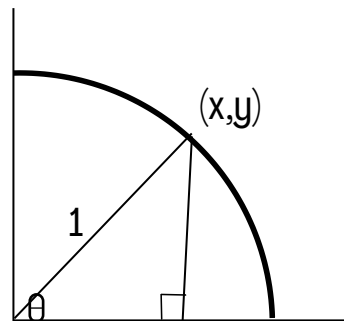
Extending Trigonometry Introduction To The Unit Circle Worksheet

Fill the table below using unit circle given

$$\theta =$$

Hypotenuse =

(x,y)



Trig ratio name	Trig function	Ratio	Ratio on unit circle
Sin			
Cosine			
Tangent			
Cosecant			
Secant			
Cotangent			

Find the exact value of the six trigonometric function

- Locate the angle on the unit circle
- Find the coordinate that goes with that angle
- Use your ratios to find six trig functions

1. $\theta = \pi / 3$

2. $\theta = 5\pi / 3$

3. $\theta = 7\pi / 3$

4. $\theta = \pi / 6$

5. $\theta = -\pi / 2$

6. $\theta = 9\pi / 4$