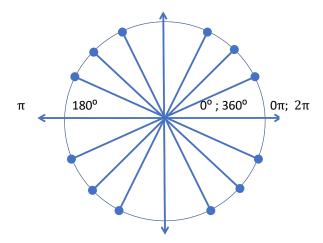
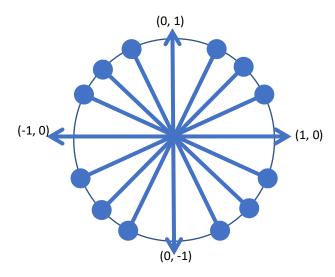
Unit Circle Homework

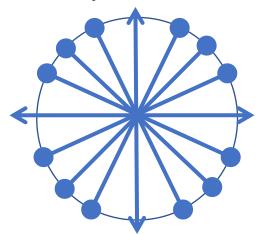
1. Write the radians of each point on the unit circle and their degrees: (i.e. $\pi/2$, π , 30° etc...)



2. Write the coordinates for all 16 points.



3. Show 8 examples of how the 30-60-90 triangle fits within the unit circle:



Find the exact value of each expression. Use the Unit Circle.

1) $\csc \frac{7\pi}{3}$

 $2) \cos \frac{7\pi}{6}$

3) $\sin \frac{11\pi}{6}$

4) csc 0

5) $\cos -\frac{5\pi}{6}$

6) $\sin \frac{19\pi}{6}$

7) $\tan \frac{4\pi}{3}$

8) $\csc \frac{2\pi}{3}$

9) $\cos -\frac{\pi}{2}$

10) $\tan -\frac{\pi}{6}$

11) $\cot \frac{3\pi}{2}$

12) $\cot \frac{3\pi}{4}$

13) $\tan \frac{5\pi}{4}$

14) $\cos -\frac{\pi}{6}$

15) $\tan \frac{7\pi}{4}$

16) $\sin \frac{2\pi}{3}$

17) $\sec -\frac{3\pi}{4}$

18) $\sin \frac{\pi}{2}$

19) $\sin \frac{11\pi}{4}$

20) $\sec \frac{3\pi}{4}$