

1. Find the exact value of the following. Use the Unit Circle. NO DECIMALS

a) $\tan \frac{\pi}{3}$

b) $\csc \frac{17\pi}{6}$

c) $\cos 210^\circ$

2. Convert to degrees

a) $\frac{7\pi}{10}$

b) $\frac{8\pi}{5}$

3. Convert to radians

a) 85°

b) 495°

4. Find the reference angle of

a) 318°

b) $\frac{13\pi}{12}$

5. Find one positive and one negative coterminal angle for:

a) $\frac{3\pi}{8}$

b) 220°

6. Graph $y = \sin \frac{1}{2}x + 1$

7. Graph $y = -2\cos \frac{x}{4}$

8. Graph $y = 2\sec x$