

Alg 2 Classwork after Quiz #3 Spring 2019 Name:

For each problem do the following:

- First find a coterminal angle from 0° to 360° or from 0 to 2π for the given angle in the problem.
- Then use a Unit Circle to find the EXACT value of each trigonometric expression. Simplify fractions and rationalize denominators as needed.

1. $\tan(-495^\circ)$

a) Coterminal angle =

2. $\cos \frac{41\pi}{6}$

a) Coterminal angle =

3. $\sin 1680^\circ$

a) Coterminal angle =

4. $\tan 2280^\circ$

a) Coterminal angle =

b) Value of this trig function =

b) Value of this trig function =

b) Value of this trig function =

b) Value of this trig function =

5. $\cos \frac{35\pi}{4}$

a) Coterminal angle =

6. $\sin(-1890^\circ)$

a) Coterminal angle =

7. $\tan\left(\frac{-27\pi}{2}\right)$

a) Coterminal angle =

8. $\tan\left(\frac{59\pi}{6}\right)$

a) Coterminal angle =

b) Value of this trig function =

b) Value of this trig function =

b) Value of this trig function =

b) Value of this trig function =