

Math 3 Guided Notes Unit 6 Day 3 - Unit Circle, Coterminal & Reference Angles

Find the exact answer of the following:

- | | |
|----------------------|-----------------------|
| 1. $\sin(45^\circ)$ | 2. $\cos(210^\circ)$ |
| 3. $\sec(270^\circ)$ | 4. $\csc(300^\circ)$ |
| 5. $\sin(-90^\circ)$ | 6. $\sec(-225^\circ)$ |

Find the exact answer of the following:

- | | |
|---------------------------------------|---------------------------------------|
| 1. $\sin\left(\frac{\pi}{2}\right)$ | 2. $\sec(2\pi)$ |
| 3. $\sin\left(-\frac{\pi}{6}\right)$ | 4. $\csc\left(-\frac{5\pi}{3}\right)$ |
| 5. $\sin\left(-\frac{7\pi}{4}\right)$ | 6. $\cos\left(\frac{5\pi}{6}\right)$ |
| 7. $\sec(5\pi)$ | 8. $\cos\left(-\frac{5\pi}{2}\right)$ |

Find the exact answer of the following:

- | | |
|-------------------------|---------------------|
| 1. $\tan\frac{\pi}{2}$ | 2. $\tan 60^\circ$ |
| 3. $\cot 2\pi$ | 4. $\tan 135^\circ$ |
| 5. $\cot\frac{7\pi}{6}$ | |

Coterminal Angles - _____

Find a coterminal angle between 0° and 360° for each.

1. 480°

2. -64°

3. 651°

4. -1027°

Reference Angle - _____

Find the reference angle for each.

1. 118°

2. 342°

3. 207°

4. 389°

5. -462°

6. 701°