

NO CALCULATORS!

1. Change 135° to radians.

2. Change $\frac{4\pi}{15}$ to degrees.

Find the exact value of the following.

3. $\sin 210^\circ$

4. $\cos 45^\circ$

5. $\csc 270^\circ$

6. $\tan \frac{5\pi}{3}$

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

8. $\sin\left(-\frac{\pi}{4}\right)$

State the reference angle for each of the following in degrees.

9. 312°

10. -245°

State the reference angle for each of the following in radians.

11. $\frac{5\pi}{3}$

12. $-\frac{3\pi}{4}$