

Trig-Precalculus 4.1–4.3 Review

ALL SUPPORTING WORK MUST BE SHOWN TO RECEIVE FULL CREDIT

Give the exact answer without the use of a calculator.

1) $\cos 540^\circ$

2) $\sec 240^\circ$

3) $\csc 60^\circ$

4) $\cot 120^\circ$

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

6) $\sin (-270^\circ)$

7) $\cos \frac{\pi}{4}$

8) $\sin \frac{5\pi}{6}$

Convert the angle to degrees, minutes, and seconds.

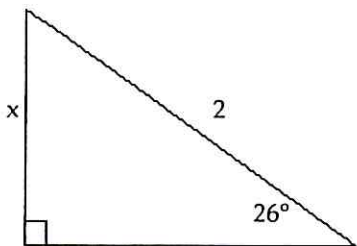
9) 230.14°

Assume that θ is an acute angle in a right triangle satisfying the given conditions. Evaluate the indicated trigonometric function.

10) $\sin \theta = \frac{7}{8}$; $\cot \theta$

Solve for x . Round your answer to 2 decimal places.

11)



Use the given information to find the arc length.

12) $r = 10$ ft, $\theta = 39^\circ$; find s