

Practice 13-8 B Reciprocal Trigonometric Functions

Evaluate each expression. Each angle is given in radians. Use the correct mode in the calculator.

Round to the nearest hundredth, if necessary.

9. $\csc(-1.5)$ _____ 10. $\cot \pi$ _____ 11. $\sec 3$ _____ 12. $\csc \frac{\pi}{4}$ _____

Evaluate each expression. Write your answer in exact form. If appropriate, also state it as a decimal rounded to the nearest hundredth. If the expression is undefined, write *undefined*.

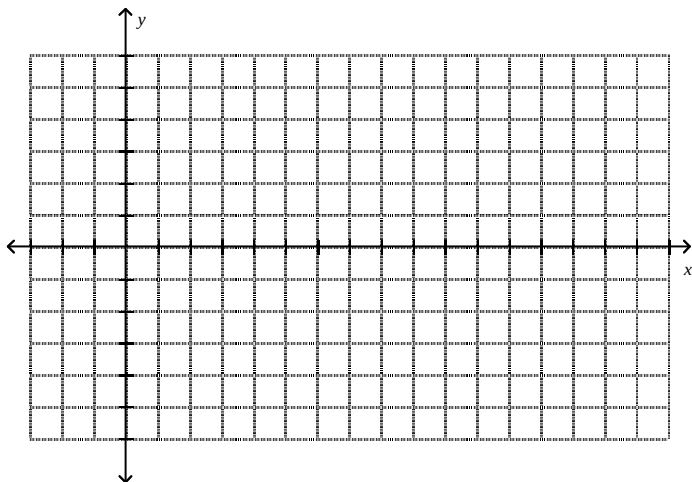
17. $\cot(-180^\circ)$ 18. $\csc(-45^\circ)$ 19. $\csc 180^\circ$ 24. $\sec 60^\circ$

exact _____ exact _____ exact _____ exact _____
 decimal _____ decimal _____ decimal _____ decimal _____

27. Suppose $\cos \theta = \frac{14}{20}$. Find $\sec \theta$ _____ 28. Suppose $\tan \theta = -\frac{2}{3}$. Find $\cot \theta$ _____

Graph each function in the interval from 0 to 2π

33. $y = 3 \csc \theta$



36. $y = -\sec 2\theta$

