

Name : _____

Trigonometric Ratios

Using Calculator: S1

Use a calculator to find the value of each. Round the answer to four decimal places.

Part A

1) $\cot 8^\circ$

2) $\operatorname{cosec} 70^\circ$

3) $\sec 42^\circ$

4) $\sec 63^\circ$

5) $\cot 59^\circ$

6) $\operatorname{cosec} 15^\circ$

Part B

7) $\operatorname{cosec} \frac{2\pi}{5}$

8) $\sec \frac{5\pi}{21}$

9) $\cot \frac{\pi}{9}$

10) $\cot \frac{5\pi}{12}$

11) $\operatorname{cosec} \frac{\pi}{30}$

12) $\sec \frac{3\pi}{22}$

Name : _____

Answer key

Trigonometric Ratios

Using Calculator: S1

Use a calculator to find the value of each. Round the answer to four decimal places.

Part A

1) $\cot 8^\circ$

7.1154

2) $\operatorname{cosec} 70^\circ$

1.0642

3) $\sec 42^\circ$

1.3456

4) $\sec 63^\circ$

2.2027

5) $\cot 59^\circ$

0.6009

6) $\operatorname{cosec} 15^\circ$

3.8637

Part B

7) $\operatorname{cosec} \frac{2\pi}{5}$

1.0515

8) $\sec \frac{5\pi}{21}$

1.3642

9) $\cot \frac{\pi}{9}$

2.7475

10) $\cot \frac{5\pi}{12}$

0.2679

11) $\operatorname{cosec} \frac{\pi}{30}$

9.5668

12) $\sec \frac{3\pi}{22}$

1.0993