

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

\_\_\_\_\_

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## 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