

Name : \_\_\_\_\_

## Trigonometric Ratios

Use the unit circle to find the exact value of each trigonometric ratio.

### Part A

1)  $\csc 270^\circ$

2)  $\cot 135^\circ$

3)  $\cos 315^\circ$

4)  $\sin 45^\circ$

$\sec 225^\circ$

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

$\sec \frac{\pi}{6}$

10)  $\cot \frac{5\pi}{6}$

11)  $\cos \frac{5\pi}{3}$

12)  $\csc \frac{\pi}{2}$

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 $\frac{\sqrt{2}}{2}$  $-\sqrt{2}$  $1$  $\frac{2\sqrt{3}}{3}$  $-\sqrt{3}$  $\frac{1}{2}$  $1$