

Trigonometric Ratios

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

Part A

1) $\sin 180^\circ$

2) $\csc 45^\circ$

3) $\cot 90^\circ$

4) $\sec 315^\circ$

$\tan 0^\circ$

7) $\csc \frac{\pi}{6}$

$\sin \frac{\pi}{2}$

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

11) $\tan \frac{7\pi}{6}$

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

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 $\sqrt{2}$ **0****2****1** **$\frac{\sqrt{2}}{2}$** **$\frac{\sqrt{3}}{3}$** **2**