

Name : _____

Half-Angle Identities

Find the exact value.

1) $\cos 165^\circ$

2) $\tan \frac{5\pi}{8}$

3) $\tan 120^\circ$

5) $\sin \frac{3\pi}{4}$

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Half-Angle Identities

Find the exact value.

1) $\cos 165^\circ$

2) $\tan \frac{5\pi}{8}$

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

3) $\tan 120^\circ$

$$-\sqrt{3}$$

5) $\sin \frac{3\pi}{4}$

$$\frac{\sqrt{2}}{2}$$

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

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