

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

## Difference Identities

Find the exact value.

1)  $\sin 105^\circ$

2)  $\cos 165^\circ$

3)  $\cos \frac{7\pi}{12}$

5)  $\tan 75^\circ$

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## Difference Identities

Find the exact value.

1)  $\sin 105^\circ$

2)  $\cos 165^\circ$

$$\frac{\sqrt{2} + \sqrt{6}}{4}$$

3)  $\cos \frac{7\pi}{12}$

$$\frac{\sqrt{2} - \sqrt{6}}{4}$$

5)  $\tan 75^\circ$

$$2 + \sqrt{3}$$

$$\frac{\sqrt{2} - \sqrt{6}}{4}$$

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