

Name : _____

Sum & Difference Identities

Sheet 1

Find the exact value.

1) $\sin(-255^\circ)$

2) $\tan \frac{11\pi}{4}$

3) $\tan 615^\circ$

4) $\cos(-75^\circ)$

5) $\cos \frac{7\pi}{2}$

6) $\sin 555^\circ$

Name : _____

Answer key

Sum & Difference Identities

Sheet 1

Find the exact value.

1) $\sin(-255^\circ)$

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

2) $\tan \frac{11\pi}{4}$

$$-1$$

3) $\tan 615^\circ$

$$2 + \sqrt{3}$$

4) $\cos(-75^\circ)$

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

5) $\cos \frac{7\pi}{2}$

$$0$$

6) $\sin 555^\circ$

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