

Practice Problems 1

1. $\cos 60^\circ + 2 \sin 45^\circ =$

2. $\sec 45^\circ + 2 \cot 45^\circ =$

3. $3 \tan 45^\circ - 2 \cos 45^\circ =$

Practice Problems 2

4. $\sin^2 30^\circ + \cos^2 30^\circ = 1$

5. $\sin 240^\circ = -2 \sin 120^\circ - \sin 300^\circ$

6. $\tan 240^\circ = \frac{2 \tan 300^\circ}{1 - \tan^2 120^\circ}$