

Trigonometric identities — Use complementary-angle cofunctions

Name: _____

Date: _____



Use the cofunction rule: $\sin \theta = \cos(90^\circ - \theta)$. Answer in degrees.

1 $\sin 35^\circ = \cos$ _____

2 $\cos 85^\circ = \sin$ _____

3 $\cos 30^\circ = \sin$ _____

4 $\cos 35^\circ = \sin$ _____

5 $\cos 70^\circ = \sin$ _____

6 $\cos 40^\circ = \sin$ _____

7 $\cos 5^\circ = \sin$ _____

8 $\sin 30^\circ = \cos$ _____

9 $\cos 15^\circ = \sin$ _____

10 $\sin 75^\circ = \cos$ _____





Trigonometric identities · Use complementary-angle cofunctions — Answer key

1. $\sin 35^\circ = \cos 55^\circ$

2. $\cos 85^\circ = \sin 5^\circ$

3. $\cos 30^\circ = \sin 60^\circ$

4. $\cos 35^\circ = \sin 55^\circ$

5. $\cos 70^\circ = \sin 20^\circ$

6. $\cos 40^\circ = \sin 50^\circ$

7. $\cos 5^\circ = \sin 85^\circ$

8. $\sin 30^\circ = \cos 60^\circ$

9. $\cos 15^\circ = \sin 75^\circ$

10. $\sin 75^\circ = \cos 15^\circ$