



Name: _____

Date: _____

Sine Cosine Complementary Angles

Solve for x. Show your work.

1. Verify that $\sin(64^\circ) = \cos(26^\circ)$ using a right triangle.
2. Verify that $\sin(38^\circ) = \cos(52^\circ)$ using a right triangle.
3. Verify that $\sin(50^\circ) = \cos(40^\circ)$ using a right triangle.
4. Verify that $\sin(30^\circ) = \cos(60^\circ)$ using a right triangle.
5. Verify that $\sin(28^\circ) = \cos(62^\circ)$ using a right triangle.
6. Verify that $\sin(50^\circ) = \cos(40^\circ)$ using a right triangle.
7. Verify that $\sin(62^\circ) = \cos(28^\circ)$ using a right triangle.
8. Verify that $\sin(49^\circ) = \cos(41^\circ)$ using a right triangle.



Sine Cosine Complementary Angles – Answer Key

1. Verify that $\sin(64^\circ) = \cos(26^\circ)$ using a right triangle.

Both equal opposite/hypotenuse in complementary triangles

2. Verify that $\sin(38^\circ) = \cos(52^\circ)$ using a right triangle.

Both equal opposite/hypotenuse in complementary triangles

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