Name: _____ Date: _____

Use $\sin^2 A + \cos^2 A = 1$. Each answer is a fraction in lowest terms.

1. If $\cos A = \frac{40}{41}$, $\sin A =$ _____

2. If $\cos A = \frac{15}{17}$, $\sin A =$ _____

3. If $\cos A = \frac{21}{29}$, $\sin A =$ _____

4. If $\sin A = \frac{7}{25}$, $\cos A =$ _____

5. If $\cos A = \frac{4}{5}$, $\sin A =$ _____

6. If $\sin A = \frac{5}{13}$, $\cos A =$ _____

7. If $\sin A = \frac{20}{29}$, $\cos A =$ _____

8. If $\sin A = \frac{8}{17}$, $\cos A =$ _____

9. If $\cos A = \frac{12}{13}$, $\sin A =$ _____

10. If $\sin A = \frac{9}{41}$, $\cos A =$ _____

Trigonometric identities · Use the Pythagorean identity — Answer key

1. If cos A = 40/41, sin A = 9/41

2. If cos A = 15/17, sin A = 8/17

3. If cos A = 21/29, sin A = 20/29

4. If sin A = 7/25, cos A = 24/25

5. If cos A = 4/5, sin A = 3/5

6. If sin A = 5/13, cos A = 12/13

7. If sin A = 20/29, cos A = 21/29

8. If sin A = 8/17, cos A = 15/17

9. If cos A = 12/13, sin A = 5/13

10. If sin A = 9/41, cos A = 40/41