

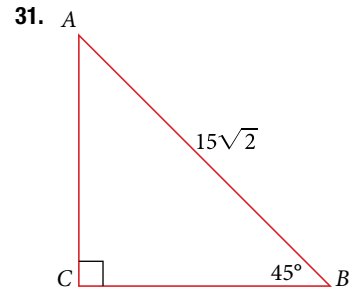
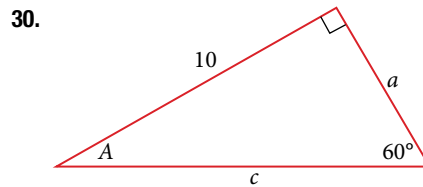
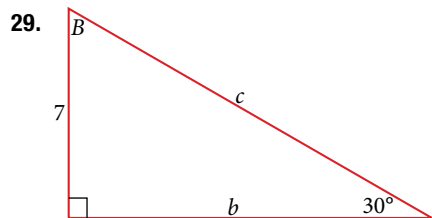
4. What is the relationship between the two acute angles in a right triangle?

5. Explain the cofunction identity.

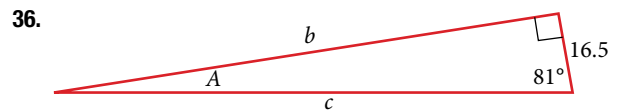
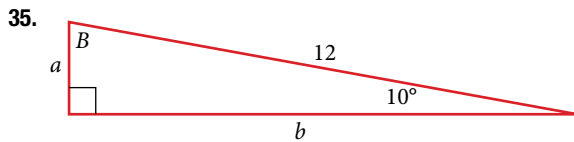
For the following exercises, use cofunctions of complementary angles.

6.  $\cos(34^\circ) = \sin(\text{_____}^\circ)$     7.  $\cos\left(\frac{\pi}{3}\right) = \sin(\text{_____})$     8.  $\csc(21^\circ) = \sec(\text{_____}^\circ)$     9.  $\tan\left(\frac{\pi}{4}\right) = \cot(\text{_____})$

For the following exercises, solve for the unknown sides of the given triangle.



For the following exercises, use a calculator to find the length of each side to four decimal places.

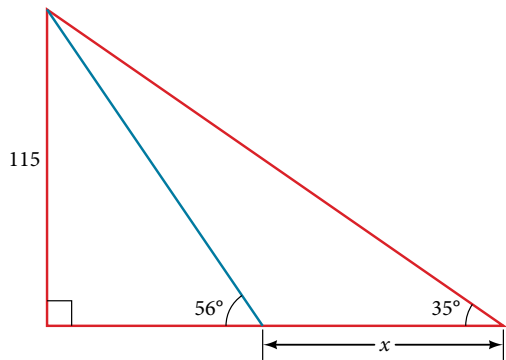


37.  $b = 15$ ,  $\sphericalangle B = 15^\circ$

38.  $c = 200$ ,  $\sphericalangle B = 5^\circ$

39.  $c = 50$ ,  $\sphericalangle B = 21^\circ$

44. Find  $x$ .



45. Find  $x$ .

