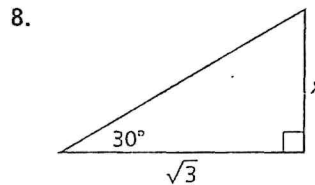
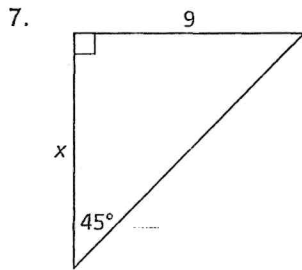
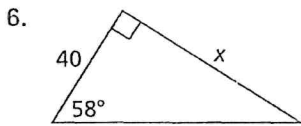
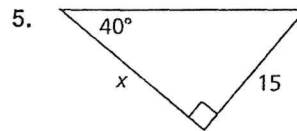
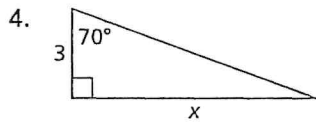
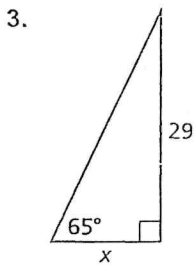
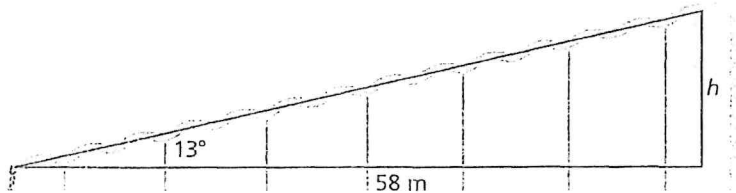


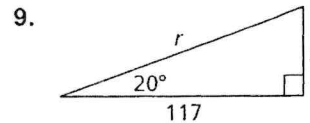
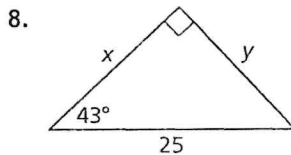
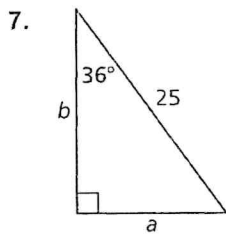
In Exercises 3–8, find the value of x . Round your answer to the nearest tenth.



9. You are measuring the height of a water slide. You stand 58 meters from the base of the slide. You measure the angle of elevation from the ground to the top of the water slide to be 13° . Find the height h of the slide to the nearest meter.



In Exercises 7–9, find the value of each variable using sine and cosine. Round your answers to the nearest tenth.



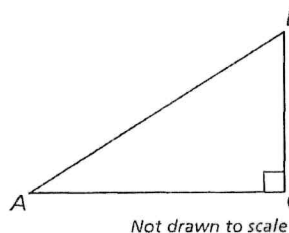
10. Which statement *cannot* be true? Explain.

A. $\sin A = 0.5$

B. $\sin A = 1.2654$

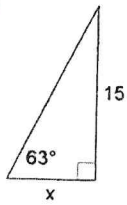
C. $\sin A = 0.9962$

D. $\sin A = \frac{3}{4}$

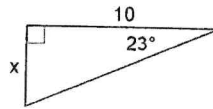


Find the value of x . Give exact answer and decimal estimate.

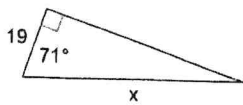
10)



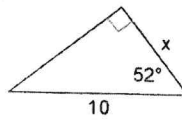
11)



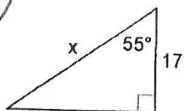
12)



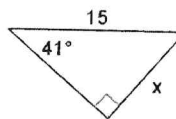
13)



14)



15)



11. The angle of depression is 11° from the bottom of a boat to a deep sea diver at a depth of 120 feet. Find the distance x the diver must swim up to the boat to the nearest foot.

