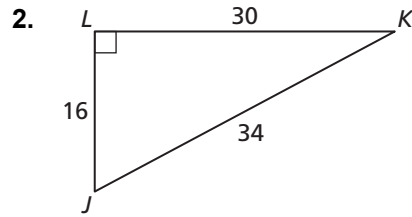
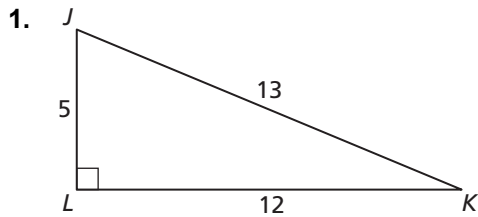


# 9.5

## Practice A

In Exercises 1 and 2, find  $\sin J$ ,  $\sin K$ ,  $\cos J$ , and  $\cos K$ . Write each answer as a fraction and as a decimal rounded to four places.



In Exercises 3–6, write the expression in terms of sine or cosine.

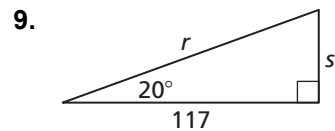
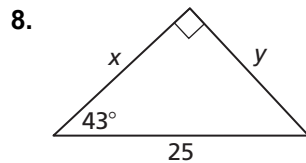
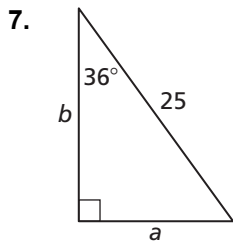
3.  $\sin 22^\circ$

4.  $\cos 56^\circ$

5.  $\cos 15^\circ$

6.  $\sin 37^\circ$

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



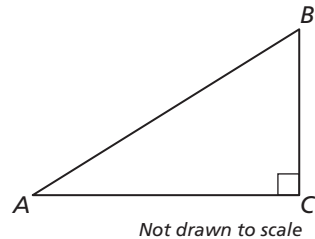
10. Which statement *cannot* be true? Explain.

A.  $\sin A = 0.5$

B.  $\sin A = 1.2654$

C.  $\sin A = 0.9962$

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



11. The angle of depression is  $11^\circ$  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.

