Name_____ Date_____

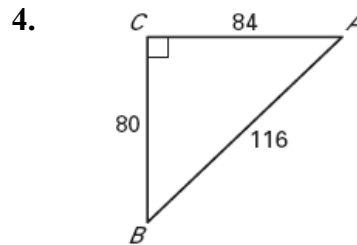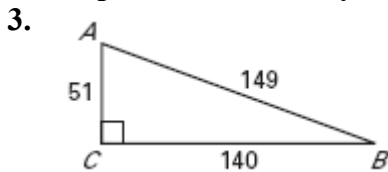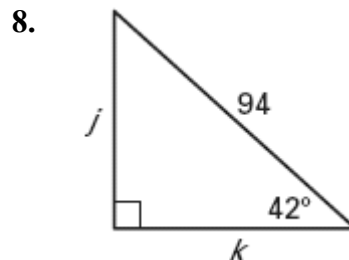# Practice C
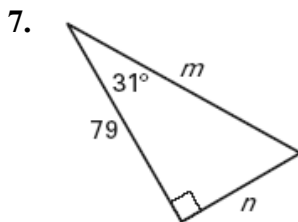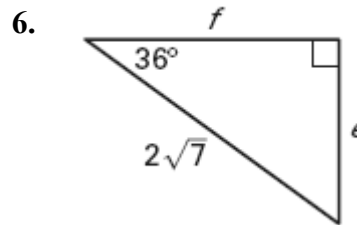*For use with pages 473–480*
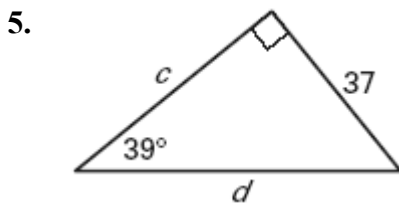
Find sin *R* and sin *S*. Write each answer as a fraction and as a decimal. Round to four decimal places, if necessary.

1.

2.
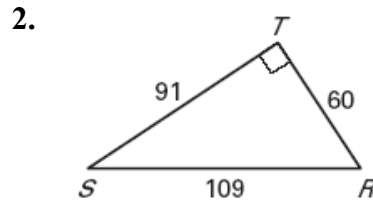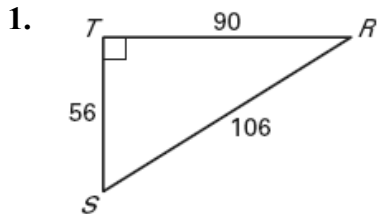
Find cos *A* cos *B*. Write each answer as a fraction and a decimal. Round to four decimal places, if necessary.
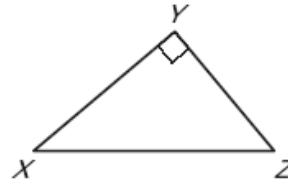
3.

4.

Use a sine or cosine ratio to find the value of each variable. Round decimals to the nearest tenth.
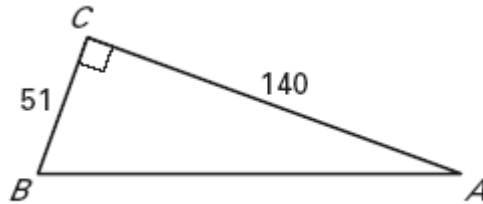
5.

6.

7.

8.

9. Multiple Choice In the diagram to the right, $XY \neq YZ$. Which statement about $\triangle XYZ$ *cannot* be true?

   A. sin X= 0.6293
   B. cos Z = 0.5
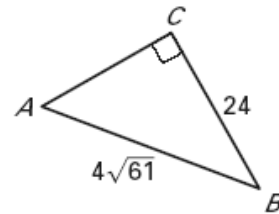   **C.** sin X=cos Z
   D. sin X=cos X

Find sin A and cos A. Write.each answer as a fraction in simplest form and as a decimal. Round to four decimal places, if necessary.
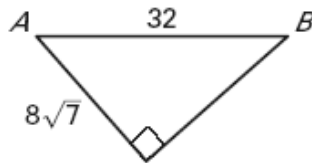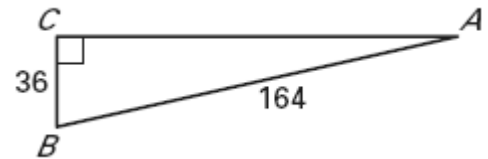
10.   **11.**

12.   **13.**

In Exercises 14-16, refer to the diagram at the right.

   14. Write an expression for h using $\angle A$.

   15. Write an expression for h using $\angle B$.

   16. Show that $\dfrac{\sin A}{a} = \dfrac{\sin B}{b}$.