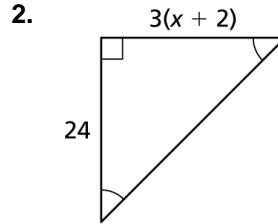
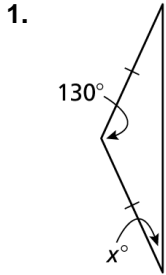


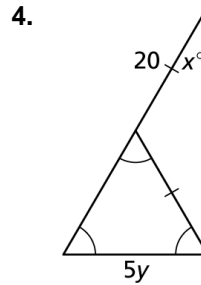
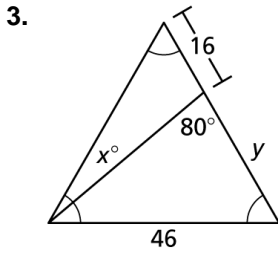
# 5.4

## Practice A

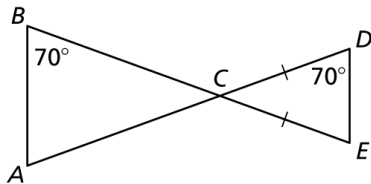
In Exercises 1 and 2, find the value of  $x$ .



In Exercises 3 and 4, find the values of  $x$  and  $y$ .



5. Explain why  $\triangle ABC$  is isosceles.

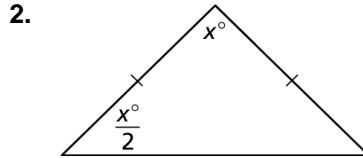
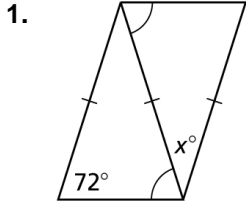


6. Can an isosceles triangle be an obtuse triangle? Explain.

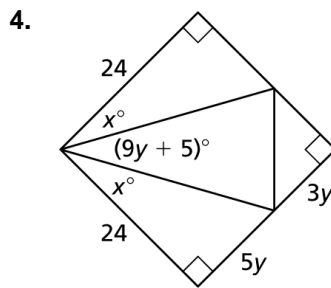
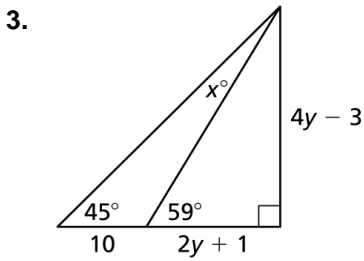
# 5.4

## Practice B

In Exercises 1 and 2, find the value of  $x$ .

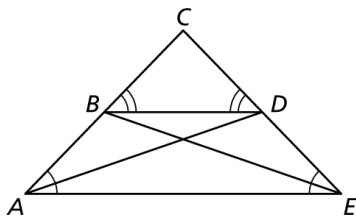


In Exercises 3 and 4, find the values of  $x$  and  $y$ .



5. **Given:**  $\angle CBD \cong \angle CDB$ ,  $\angle BAE \cong \angle DEA$

**Prove:**  $\overline{AD} \cong \overline{EB}$



6. **Given:**  $\angle EBC \cong \angle ECB$ ,  $\overline{AE} \cong \overline{DE}$

**Prove:**  $\overline{AB} \cong \overline{DC}$

