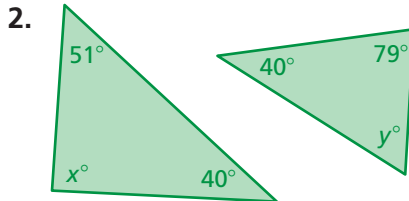
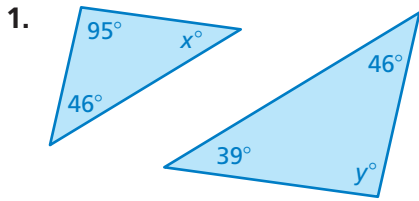


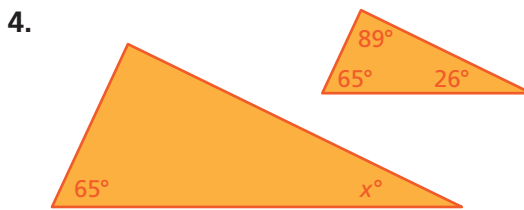
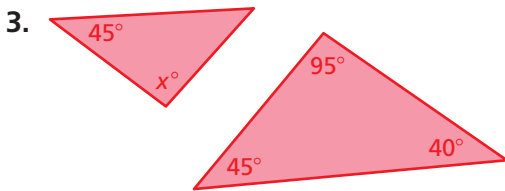
5.4–5.5 Quiz



Tell whether the triangles are similar. Explain. (Section 5.4)



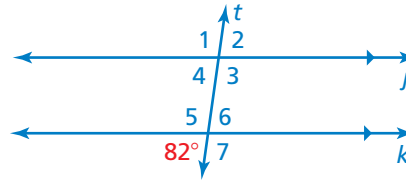
The triangles are similar. Find the value of x . (Section 5.4)



Use the figure to find the measure of the angle.

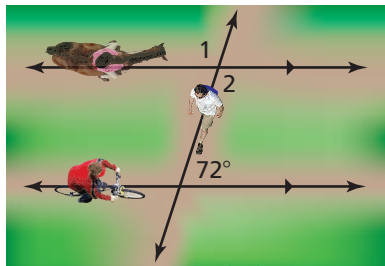
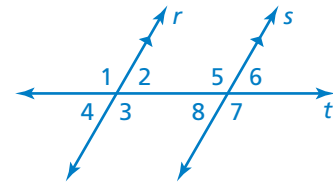
Explain your reasoning. (Section 5.5)

- 5. $\angle 2$
- 6. $\angle 6$
- 7. $\angle 4$
- 8. $\angle 1$



Complete the statement. Explain your reasoning. (Section 5.5)

- 9. If the measure of $\angle 1 = 123^\circ$, then the measure of $\angle 7 =$.
- 10. If the measure of $\angle 2 = 58^\circ$, then the measure of $\angle 5 =$.
- 11. If the measure of $\angle 5 = 119^\circ$, then the measure of $\angle 3 =$.
- 12. If the measure of $\angle 4 = 60^\circ$, then the measure of $\angle 6 =$.



- 13. **PARK** In a park, a bike path and a horse riding path are parallel. In one part of the park, a hiking trail intersects the two paths. Find the measures of $\angle 1$ and $\angle 2$. Explain your reasoning. (Section 5.5)
- 14. **PERIMETER** The side lengths of a right triangle are doubled to make a similar triangle. Does the perimeter double as well? Explain. (Section 5.4)