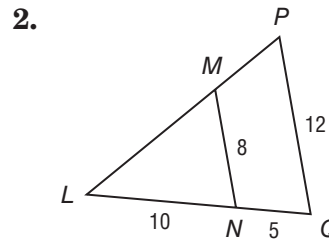
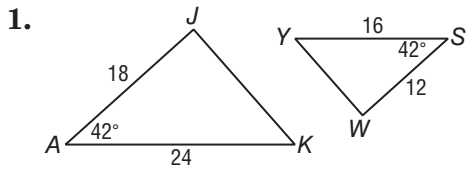


7-3 Practice

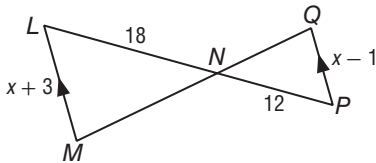
Similar Triangles

Determine whether the triangles are similar. If so, write a similarity statement. If not, what would be sufficient to prove the triangles similar? Explain your reasoning.

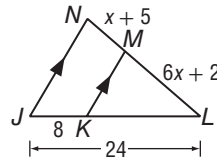


ALGEBRA Identify the similar triangles. Then find each measure.

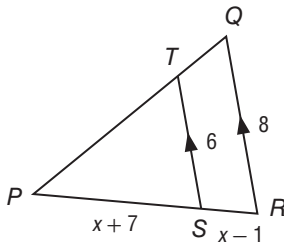
3. LM, QP



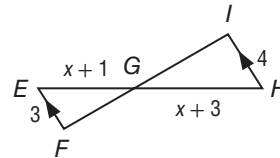
4. NL, ML



5. PS, PR



6. EG, HG



7. INDIRECT MEASUREMENT A lighthouse casts a 128-foot shadow. A nearby lamppost that measures 5 feet 3 inches casts an 8-foot shadow.

- Write a proportion that can be used to determine the height of the lighthouse.
- What is the height of the lighthouse?