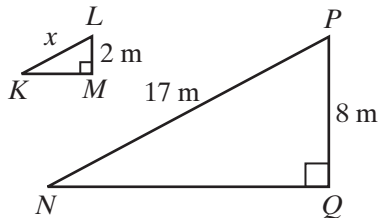# Practice 11-4

Write a Proportion

Write a proportion and find the value of each *x*.
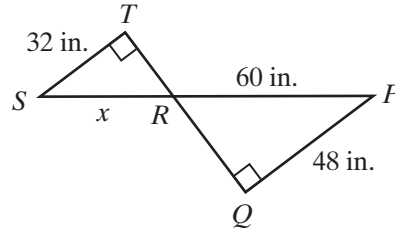
1. $\triangle KLM \sim \triangle NPQ$

Proportion: _____
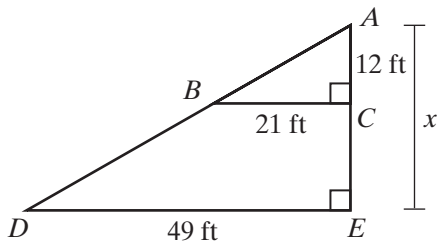
x = _____

2. $\triangle RST \sim \triangle RPQ$
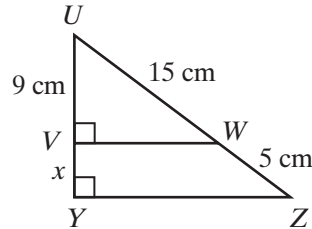

Proportion: _____

x = _____

3. $\triangle ABC \sim \triangle ADE$

Proportion: _____

x = _____

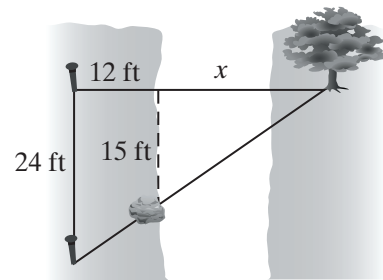**4.** $\triangle UVW \sim \triangle UYZ$

Proportion: _____

x = _____

Solve. Show the proportion you use.

5. A surveyor needs to find the distance across a canyon. She finds a tree on the edge of the canyon and a large rock on the other edge. The surveyor uses stakes to set up the similar right triangles shown. Find the distance from the tree to the other side of the canyon, *x*.

_____

6. Three cartons of juice cost $4.77. Find the cost of 8 cartons.

_____

7. If a pizza with a diameter of 12 inches costs $10.99, based on area, how much should a 15-inch pizza cost?

_____