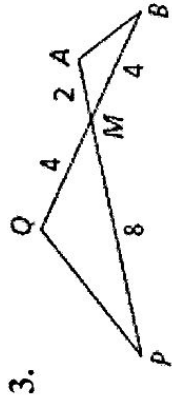
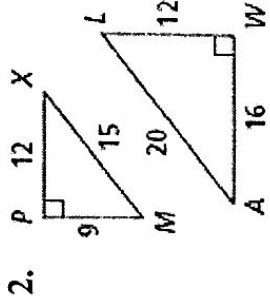
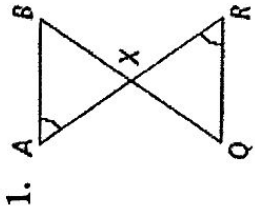
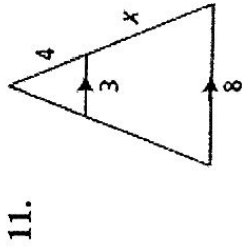
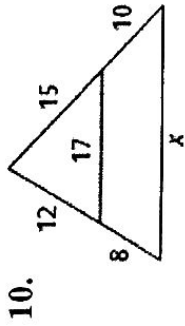
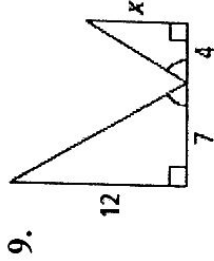
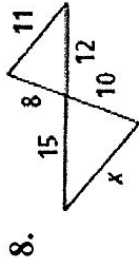
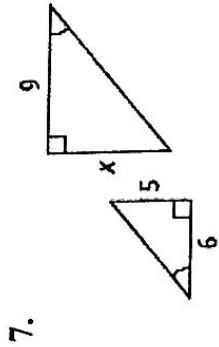


Practice 7-3 **Proving Triangles Similar**

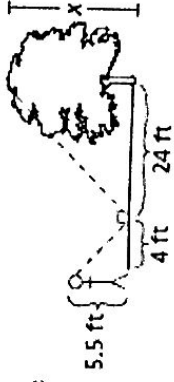
Explain why the triangles are similar. Write a similarity statement for each pair.



Algebra Find the value of x .



13. Natasha places a mirror on the ground 24 ft from the base of an oak tree. She walks backward until she can see the top of the tree in the middle of the mirror. At that point, Natasha's eyes are 5.5 ft above the ground, and her feet are 4 ft from the image height of the oak tree.



Practice 7-4

Similarity in Right Triangles

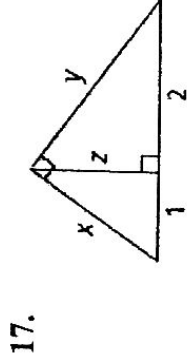
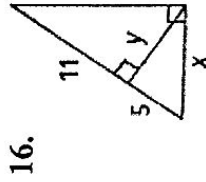
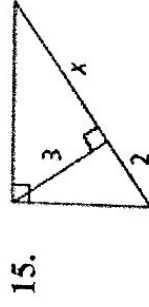
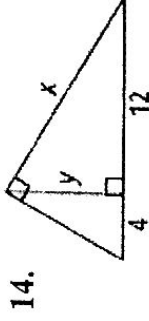
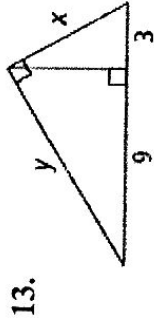
Algebra Find the geometric mean of each pair of numbers.

1. 32 and 8

2. 4 and 16

3. 11 and 7

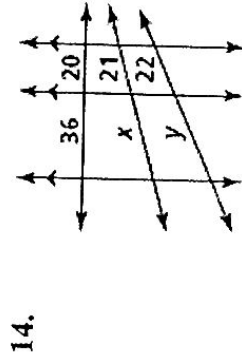
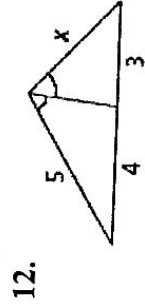
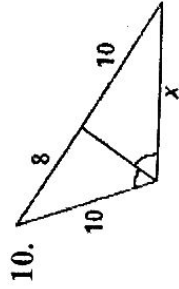
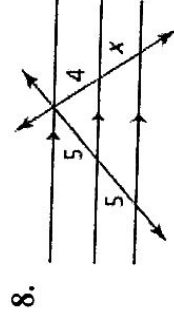
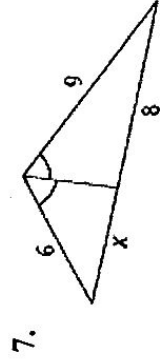
Algebra Find the values of the variables.



Practice 7-5

Proportions in Triangles

Algebra Find the values of the variables.



Algebra Solve for x.

