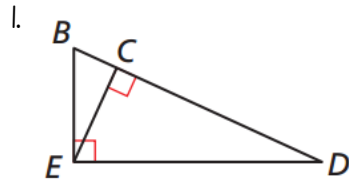


6.4.D1 – More Similar Triangles

Write a similarity statement comparing the three triangles in the diagram.



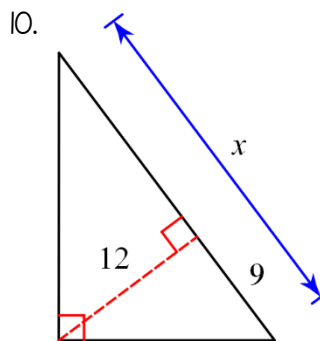
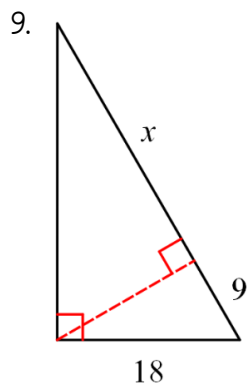
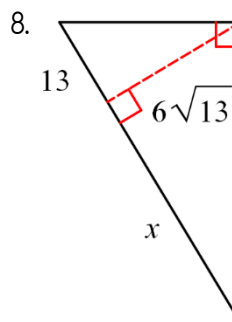
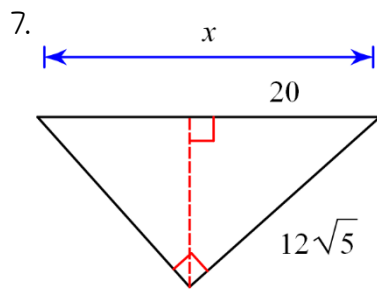
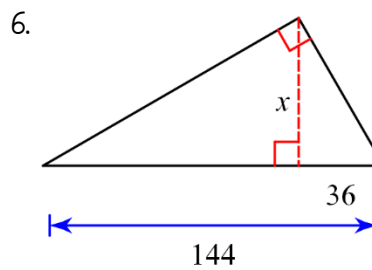
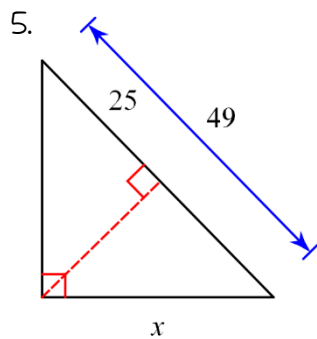
Find the geometric mean of each pair of numbers. If necessary, give the answer in simplest radical form.

2. 5 and 45

3. 9 and 12

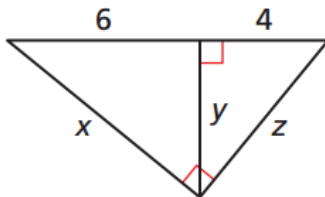
4. 5 and 8

Use similar right triangle relationships to find the value of x . If necessary, give the answer in simplest radical form.

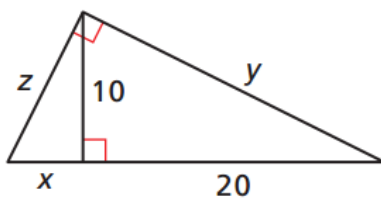


Use similar right triangle relationships and/or the Pythagorean Theorem to find the values of x , y , & z . If necessary, give the answer in simplest radical form.

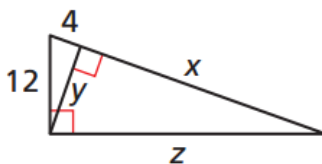
11.



12.



13.



14. The geometric mean of two numbers is 8. One of the numbers is 2. Find the other number.

15. The geometric mean of two numbers is $2\sqrt{5}$. One of the numbers is 6. Find the other number.