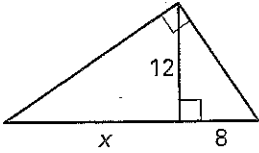


Chapter Test B

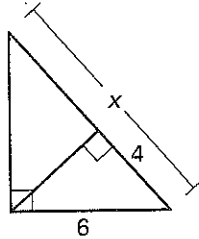
For use after Chapter 9

Complete and solve the proportion.

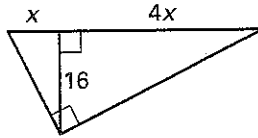
1. $\frac{x}{12} = \frac{?}{8}$



2. $\frac{?}{x-4} = \frac{4}{6}$

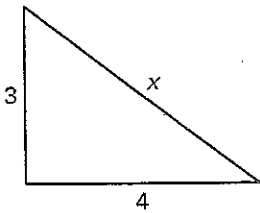


3. $\frac{x}{16} = \frac{16}{?}$

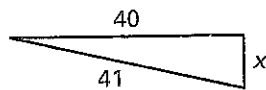


Find the unknown side length. Simplify answers that are radicals. Tell whether the side lengths form a Pythagorean triple.

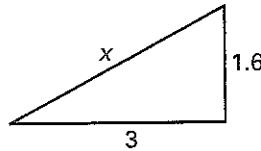
4.



5.



6.



Decide whether the numbers can represent the side lengths of a triangle. If they can, classify the triangle as *right*, *acute*, or *obtuse*.

7. 7, 7, 4

8. 8, 9, 15

9. 9, 12, 13

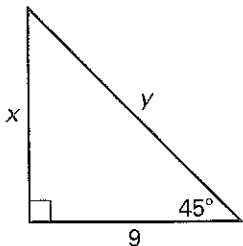
10. 6, 8, 10

11. 1, 2, 8

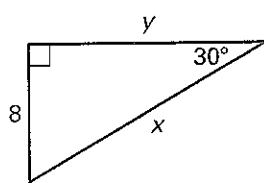
12. 0.27, 0.36, 0.45

Find the value of each variable. Write answers in simplest radical form.

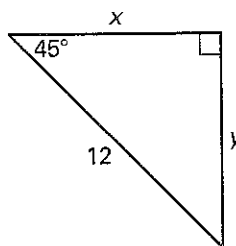
13.



14.



15.



1. a. _____

b. _____

2. a. _____

b. _____

3. _____

4. _____ ; _____

5. _____ ; _____

6. _____ ; _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____