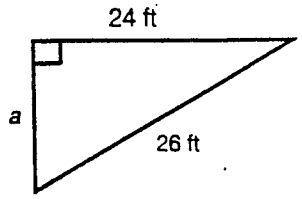
Chapter 15 Practice

Use after Lesson 15–4

Name _____

Date _____

Example Find the missing length.



Solution $a^2 + b^2 = c^2$ Use the Pythagorean Theorem.

$a^2 + 24^2 = 26^2$

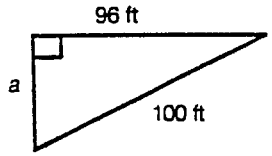
$a^2 + 576 = 676$

$a^2 = 100$

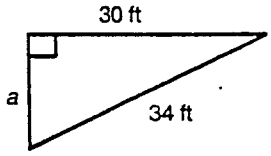
$a = 10$

Find the missing length.

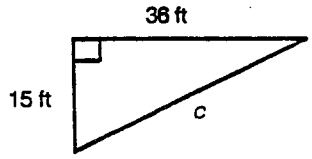
1.



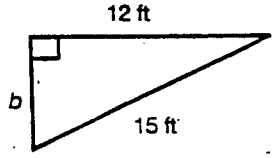
2.



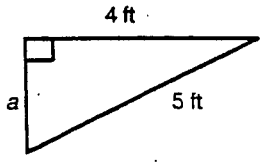
3.



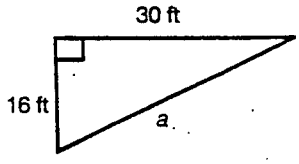
4.



5.



6.



1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____

Draw a right triangle with legs a and b and hypotenuse c to use for Exercises 6–12.

7. $a = 6$, $b = 8$, $c =$

8. $a = 16$, $b = 30$, $c =$

9. $a = 5$, $c = 30$, $b =$

10. $a = 15$, $c = 25$, $b =$

11. $b = 12$, $c = 20$, $a =$

12. $b = 24$, $c = 25$, $a =$