

Pythagorean Theorem practice problems

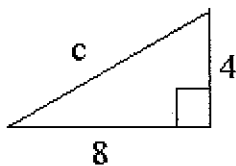
Find the length of the hypotenuse.

1. $4^2 + 5^2 = c^2$

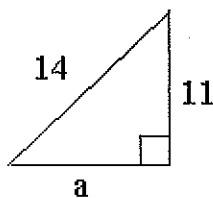
2. $7^2 + 2^2 = c^2$

Find the length of the third side of each right triangle.

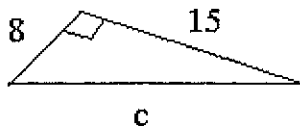
3.



4.



5.



Find the length of the side not given when the hypotenuse is c and the legs are a and b .

6. $a = 10, b = 24$

7. $a = 9, c = 13$

8. $b = 18, c = 30$

9. $a = 5, b = 12$

10. $a = 6, c = 10$