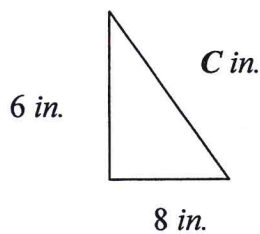


NAME: _____ DATE: _____ PER# _____

PYTHAGOREAN THEOREM WORKSHEET

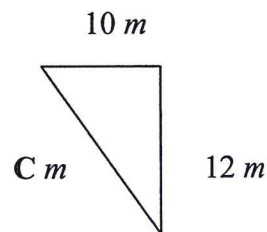
Calculate the missing length. Round your answers to the nearest thousandth if necessary.

1.



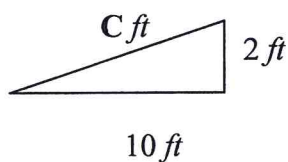
ANSWER: _____

2.



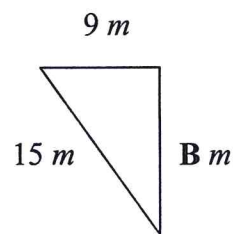
ANSWER: _____

3.



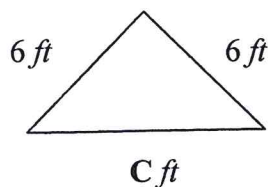
ANSWER: _____

4.



ANSWER: _____

5.



ANSWER: _____

6. Given: $a = 8$, $b = 14$, Find c .

ANSWER: _____

7. Given: $c = 16$, $b = 12$, Find a .

ANSWER: _____

8. Given three lines with the following lengths, can they form a right triangle? $a = 9$, $b = 12$, $c = 18$
(Hint: the equation $a^2 + b^2 = c^2$ is only true for right triangles)

ANSWER: _____