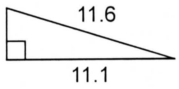
Alg Name_____

9-6 Pythagorean Theorem (ver1)_hw

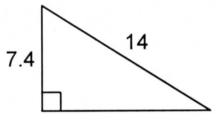
Date_____ Period____

Find each missing length to the nearest tenth.

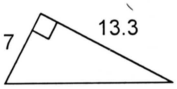
1)



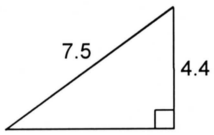
2)



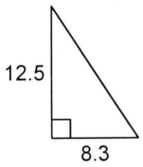
3)



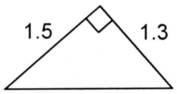
4)



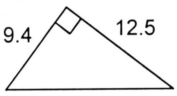
5)



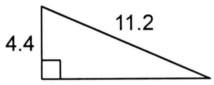
6)



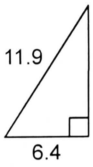
7)



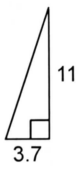
8)



9)



10)



11) *a = 4.6, b = 8.9, c = ?*

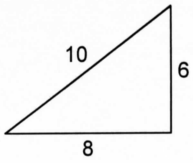
12) *a = ?, b = 2.9, c = 5.3*

13) *a = 5.5, b = ?, c = 7.3*

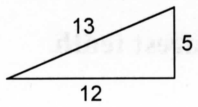
14) *a = 8.1, b = 3.1, c = ?*

Do the following side lengths form a right triangle? YOU MUST SHOW WORK!

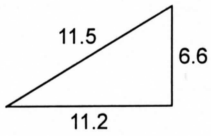
15)



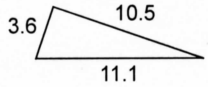
16)



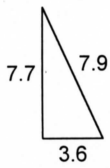
17)



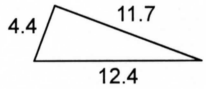
18)



19)



20)



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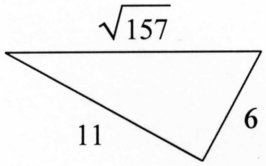
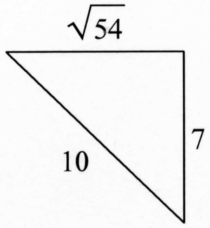
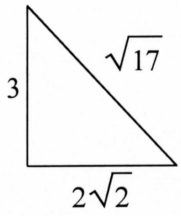


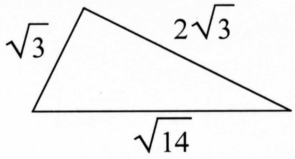
22)



23)



24)



25) 3, 3, 5

26) 9, 12, 15

27) 6, $\sqrt{65}$, $\sqrt{101}$

28) $4\sqrt{6}$, 10, 13

Answers to 9-6 Pythagorean Theorem (ver1)_hw

1) 3.4
2) 11.9
3) 15
4) 6.1
5) 15
6) 2
7) 15.6
8) 10.3
9) 10
10) 11.6
11) 10
12) 4.4
13) 4.8
14) 8.7
15) Yes
16) Yes
17) No
18) Yes
19) No
20) No
21) Yes
22) No
23) Yes
24) No
25) No
26) Yes
27) Yes
28) No