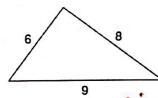
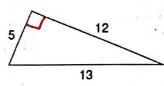
Name: KEY

## **Pythagorean Theorem Extra Practice Worksheet**

For 1-3, is the triangle a right triangle? Show your work.





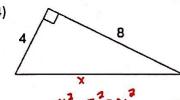


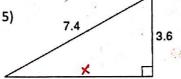
check: 
$$5^{2}+12^{2}=13^{2}$$
 $35+144=169$ 
YES

a) 
$$a = 2.1$$
,  $b = 7.2$ ,  $c = 7.5$ 

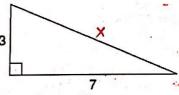
For 4-8, find the length of the  $3^{rd}$  side of the triangle.



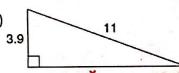


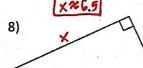


6)



16+64 = x<sup>2</sup> x = 8.9





2.7

×2+3.62=7.42

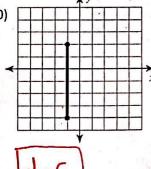
x2+12.96 = 54.76

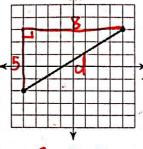
$$\chi^{2}=105.79$$
 $\chi^{2}=105.79$ 

XW

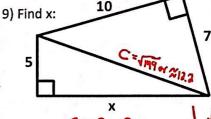


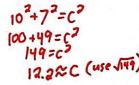




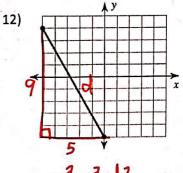


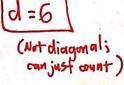
$$5^{3}+8^{3}=d^{3}$$



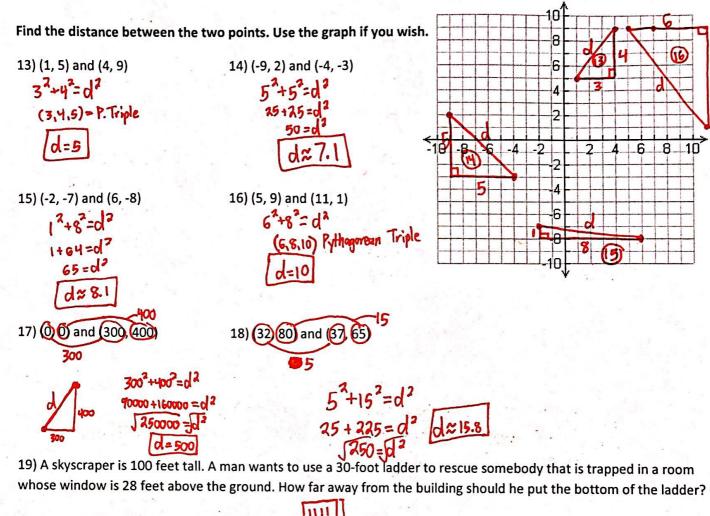


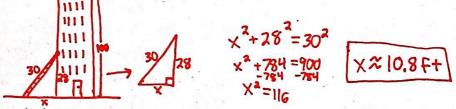






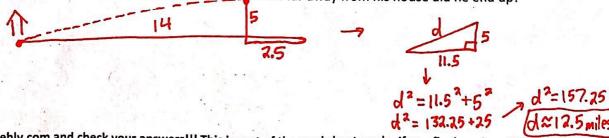






20) The same ladder is moved out so that the base is 15 feet away from the building. How high will the ladder reach

21) Derman left his house and drove 14 miles east. However, he realized that he missed his turn, so he turned around and drove 2.5 miles west. He then drove 5 miles north. How far away from his house did he end up?



\*\*\*Now go to lischwe.weebly.com and check your answers!!! This is part of the worksheet grade. If you fix them in a different color, they will count as correct.\*\*\*