

#Jenny



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Cool! I'am really happy

#Markus Jensen



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My friends are so mad that they do not know how I have all the high quality ebook which they do not!

#Diego Butler



so many fake sites. this is the first one which worked! Many thanks

Name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_

**Pythagorean Theorem ANSWER KEY**

**Find for x:**

1.  $x = \sqrt{41}$   
 $x = 6.4$

2.  $x = \sqrt{169}$   
 $x = 13$

3.  $x = 7$

4.  $x = \sqrt{25}$   
 $x = 5.0$

**Find for y:**

5.  $y = \sqrt{225}$   
 $y = 15$

6.  $y = \sqrt{289}$   
 $y = 17$

7.  $y = 20$

8.  $y = \sqrt{841}$   
 $y = 29$

**Are the following lengths a pythagorean triplet explain.**

9. 8, 15, 17      10. 5, 12, 14      11. 7, 24, 25  
 Yes!  $8^2 + 15^2 = 17^2$       No!  $5^2 + 12^2 \neq 14^2$       Yes!  $7^2 + 24^2 = 25^2$

**Are the following side lengths make a right triangle? Explain.**

12. 7, 8,  $\sqrt{113}$       13. 5,  $\sqrt{26}$ , 6      14. 3, 4,  $5\sqrt{17}$   
 Yes!  $7^2 + 8^2 = (\sqrt{113})^2$       No!  $5^2 + (\sqrt{26})^2 \neq 6^2$       Yes!  $3^2 + 4^2 = (5\sqrt{17})^2$

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