

PYTHAGOREAN THEOREM - WORKSHEET

Answer all the following questions:

I c is the hypotenuse of the right triangle ABC with sides a , b , c

1. $a = 3$; $b = 4$; $c =$ _____

2. $a = 6$; $b = 8$; $c =$ _____

3. $a = 12$; $b = 5$; $c =$ _____

4. $a = 9$; $b = 12$; $c =$ _____

5. $a = 15$; $b = 20$; $c =$ _____

6. $a = 8$; $b =$ _____ ; $c = 10$

7. $a = 15$; $b =$ _____ ; $c = 17$

8. $a =$ _____ ; $b = 40$; $c = 50$

9. $a = \underline{\hspace{2cm}}$; $b = 2$; $c = 4$

10. $a = 1.2$; $b = \underline{\hspace{2cm}}$; $c = 3.5$

11. Find a third number so that the three numbers form a Pythagorean Triple:

i) 9 , 41

ii) 13 , 85