

Math 1613 - Trigonometry

Discussion Board Week 2 - Due 2017.06.18

Suppose ABC is a right triangle with sides of length a , b , and c , and right angle at C . Find the unknown side length using the Pythagorean Theorem, and then find the values of the six trigonometric functions for angle B . Rationalize denominators if applicable.

1. $a = 4, b = 5$

2. $a = 4, b = 6$

3. $a = 5, b = 11$

4. $a = 9, b = 12$

5. $a = 5, b = 7$

6. $a = 2, b = 12$

7. $a = 6, b = 9$

8. $a = 8, b = 13$

9. $a = 9, b = 14$

10. $a = 6, b = 17$

11. $a = 8, b = 10$

12. $a = 11, b = 15$

13. $a = 12, b = 16$

14. $a = 14, b = 15$

15. $a = 5, b = 15$