

Math 1613 - Trigonometry

Discussion Board Week 2 - Due 2019.06.16

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. $a = 5, b = 15$