Math 4 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**4-7 Practice** Date\_\_\_\_\_\_\_\_

*I can, without a calculator, use trigonometric identities such as angle addition/subtraction and double*

*angle formulas, to express values of trigonometric functions in terms of rational numbers and radicals.*

**Simplify without the use of a calculator. *Exact values only.***



1. 2. 

3.  4. tan(195°)

5. sin(105°) 6. 

7. Simplify: sin (α + β) – sin (α – β) =

8. Given:



Find the following:



**Complete the proofs below.**

9. 

10. 