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

**4-6 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.*

 *SHOW ALL WORK. EXACT VALUES ONLY. NO CALCULATOR!!!!*

Simplify the following:

1. = 2. =

3. = 4. 

5.  6. 

**More Challenging Problems**

7. 

8. Given: 

 Find: 

9. Verify:  10. Verify: 

**The most fun of all the problems!**

11. Verify: 