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

Lessons 4-3 & 4-4 Learning Check Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Score: 0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0

In this learning check, you are being assessed on the following learning goal:

* *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.*

**For 1 – 4, simplify. Use exact values.**

1.  2. 

3.  4. 



5. **Verify:** 6. **Given:**



**Find:**  (Write your answer as a single fraction.)