Math 1552		Name (Print):  Canvas email:			
Spring 2019 Quiz 4 6:00					
February 14, 2019 Time Limit: 15 Minut	es	Teaching Assistant/Section:			
GT ID:					

By signing here, you agree to abide by the **Georgia Tech Honor Code**: I commit to uphold the ideals of honor and integrity by refusing to betray the trust bestowed upon me as a member of the Georgia Tech Community.

Sign Your Name: \_\_\_\_\_

This quiz contains 2 pages (including this cover page) and 1 problems. Check to see if any pages are missing. Enter all requested information on the top of this page.

You may *not* use your books, notes, or any calculator on this quiz.

You are required to show your work on each problem on this quiz. The following rules apply:

- If you use a "fundamental theorem" you must indicate this and explain why the theorem may be applied.
- Organize your work, in a reasonably neat and coherent way, in the space provided. Work scattered all over the page without a clear ordering will receive very little credit.
- Mysterious or unsupported answers will not receive full credit. A correct answer, unsupported by calculations, explanation, or algebraic work will receive no credit; an incorrect answer supported by substantially correct calculations and explanations might still receive partial credit.
- Please circle or box in your final answer.

Problem	Points	Score
1	20	
Total:	20	

1. (20 points) Evaluate the integral using trigonometric substitution.