

**Math 141**

**Quiz 5**

**name**\_\_\_\_\_

**Due Monday October 12 in class**

**Show all relevant work for full credit.**

**Neatness counts!**

**No pens!**

**All work is to be done on a separate sheet of paper, NOT THIS ONE, I REPEAT NOT THIS ONE!**

Find the indefinite integral

$\int \frac{1}{x^2 - 25} dx$  by the method indicated:



1. Trigonometric Substitution.



2. Partial fraction decomposition.



3. Tables, note the table number.



4. Feel free to “see” what answer software provides