

# Quiz 2

MATH 222

Fall 2018

Name: \_\_\_\_\_

**Problem 1. (5 Points)** Compute

$$\int \sec^4(\theta) \tan^4(\theta) d\theta$$

**Problem 2. (5 Points)** Compute  $\int t^3(t^2 - 4)^{3/2} dt$ . You may use your answer to problem 1.