

**Math 152 Quiz #6**  
**February 18, 2009**

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

Show all work and simplify your answers as much as possible.

1. (5 pts.)  $\int \frac{3\sqrt{x^2 - 4}}{x} dx$

2. (5 pts.)  $\int_0^2 5 + \frac{2t + 12}{9 - t^2} dt$