

Math 1450, Honor Calculus Practice13, Fall 2015.

October 26, 2016

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

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

2.  $\int \frac{2x^3}{(x^2+7)^{\frac{3}{2}}} dx.$

3.  $\int \frac{3x^2}{\sqrt{7+x^2}} dx.$

4.  $\int \frac{2}{e^x \sqrt{6+e^{2x}}} dx.$

$$5. \int_0^{\frac{1}{2}} \frac{11x^2}{(1-x^2)^{\frac{3}{2}}} dx.$$

$$6. \int_0^2 \frac{4x^3}{\sqrt{4-x^2}} dx.$$

$$7. \int_0^7 2\sqrt{49-x^2} dx.$$

$$8. \int \frac{2}{x^2\sqrt{49+x^2}} dx.$$