

Math 1450, Honor Calculus Practice8, Fall 2015.

November 6, 2015

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

1.  $\int_1^{\infty} \frac{1}{x} dx.$

2.  $\int_{-\infty}^{\infty} x e^{-x^2} dx.$

3.  $\int_{-\infty}^0 \frac{1}{\sqrt{3-x}} dx.$

$$4. \int_{-2}^{\infty} \sin(x) dx.$$

$$5. \int_0^3 \frac{1}{\sqrt{3-x}} dx.$$

$$6. \int \frac{7}{(x-2)(x+5)} dx.$$

$$7. \int \frac{2x^4 - 4x^3 + 4x^2 + 3}{x^2(x-1)} dx.$$