

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

Date: \_\_\_\_\_

Period: \_\_\_\_\_ 2016

AP Calculus – Quiz: Basic Integration Rules

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

2.  $\int \cos x dx$

3.  $\int \sec x \tan x dx$

4.  $\int (\sec^2 x - \csc^2 x) dx$

5.  $\int (6x^2 - 8x + 5) dx$

6.  $\int \frac{1}{|x|\sqrt{x^2-1}} dx$

7.  $\int \frac{1}{x^4} dx$

8.  $\int \frac{1}{x} dx$

9.  $\int 6^x \ln 9 dx$

10.  $\int \frac{1}{4x} dx$