

Name: _____

Date: _____

Period: _____ 2016

AP Calculus – Quiz: Basic Integration Rules

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

2. $\int \sin x dx$

3. $\int -\csc x \cot x dx$

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

5. $\int (3x^2 + 5x + 1) dx$

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

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

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

9. $\int 6^x dx$

10. $\int \frac{1}{3x} dx$