

CALC 2 - REVIEW/PREVIEW UNIT 2

TEST YOURSELF ON THESE BASIC ANTI-DERIVATIVES

1. For $n \neq -1$:

$$\int x^n dx =$$

2. $\int \frac{1}{x} dx =$

3. $\int e^x dx =$

4. $\int 5^x dx =$

5. $\int \sin x dx =$

6. $\int \cos x dx =$

7. $\int \sec^2 x dx =$


8. $\int \sec x \tan x dx =$

9. $\int \csc^2 x dx =$

10. $\int \csc x \cot x dx =$

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

12. $\int \frac{1}{1+x^2} dx =$

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

14.  $\int \sec x dx =$