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

2. $\int \sin x \, dx$

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

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

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

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

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

8. $\int \dfrac{1}{x} \, dx$

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

10. $\int \dfrac{1}{3x} \, dx$