

Evaluate the following integrals

1. $\int e^{3-2x} dx$

2. $\int \frac{x}{1+9x^4} dx$

3. $\int \frac{3}{\sqrt{1-9x^2}} dx$

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

5. $\int e^x \sin(e^x) dx$

6. $\int \tan(x) dx$

7. $\int \frac{x^2}{\sqrt{x+1}} dx$

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