

Evaluate the following integrals

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

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

3. $\int \frac{3}{\sqrt{4-9x^2}} dx$

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