

Lesson 8.6 Homework

Calculus

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

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

3. $\int x \ln x dx$

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

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

6. $\int \sin^2 3x dx$

7. $\int \frac{4}{1+\sin x} dx$

8. $\int 3x \cos x dx$

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

10. $\int x^2 e^x dx$