

The Substitution Method for integration
Homework for video (1)
Solutions in video (2)

Evaluate the following indefinite integrals. Check each of your answers.

1. $\int x(3-7x^2)^8 dx$

2. $\int x \sin(3x^2-2) dx$

3. $\int e^{2t} dt$

4. $\int \frac{(\ln x)^5}{8x} dx$

5. $\int \frac{-\cos(\ln \theta)}{\theta} d\theta$

6. $\int \frac{dx}{\sqrt{x}}$

7. Re-express $\tan \theta$

8. Re-express $\cot \theta$