

Guía Ejercicios Métodos de Integración
Sustitución trigonométrica

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

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

3. $\int \frac{x \, dx}{\sqrt{x^2-25}}$

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

5. $\int \frac{x^2}{\sqrt{x^2+6}} dx$

6. $\int \frac{dx}{x^2 \sqrt{x^2-7}}$

7. $\int \frac{dx}{x \sqrt{25-x^2}}$

8. $\int \frac{dx}{x \sqrt{x^4+25}}$

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

10. $\int \frac{x^3}{\sqrt{16-x^2}} dx$

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

12. $\int \frac{5x}{\sqrt{3-2x^2}} dx$

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

14. $\int \frac{6}{\sqrt{x^2-6x}} dx$

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

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

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

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