

Sustitución trigonométrica

$$37. - \int \frac{x^3 dx}{\sqrt{3x^2 - 5}}$$

$$38. - \int \frac{dx}{x^2 \sqrt{x^2 - 2}}$$

$$39. - \int \frac{(x+1) dx}{\sqrt{4-x^2}}$$

$$40. - \int \frac{\sec^2(x)}{(4 - \tan^2(x))^{3/2}} dx$$

$$41. - \int \frac{(x-1) dx}{\sqrt{x^2 - 4x + 3}}$$

$$42. - \int \frac{dx}{x^2 \sqrt{9-x^2}}$$

$$43. - \int_{\sqrt{3}}^2 \frac{\sqrt{x^2 - 3}}{x} dx$$

$$44. - \int_{1/2}^1 \frac{dx}{x^2 \sqrt{x^2 + 4}}$$

$$45. - \int \frac{x^2 dx}{(x^2 - 1)^{3/2}}$$

$$46. - \int_0^1 \frac{dx}{(4 + 9x^2)^2}$$