

Evaluate using integration by parts

1) $\int \sin^4(x) dx =$

2) $\int \sin^5(x) dx =$

3) $\int \sin^2(x) \cos^3(x) dx =$

$$4) \int \sqrt{25 + x^2} dx =$$

$$5) \int \frac{7}{(x-2)(x+5)} dx$$

$$6) \int \frac{x+3}{x^2-3x+2} dx$$