

Evaluate the following -

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

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

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

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

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

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