

1. Evaluate each integral.

a) $\int \frac{\sqrt{9-x^2}}{x^2} dx$

b) $\int \frac{dx}{\sqrt{x^2-a^2}}$ (Assume a is a positive constant.)

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

Q: How can half of 12 be 7?