

## HOMEWORK 2

(1)

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

(2)

$$\int \frac{1}{\sqrt{16 - x^2}} dx$$

(3)

$$\int \sqrt{16 - 4x^2} dx$$

(4)

$$\int \frac{1}{\sqrt{x^2 - 9}} dx$$

(5)

$$\int \frac{1}{x\sqrt{4x^2 + 9}} dx$$

(6)

$$\int \frac{-5x}{(x^2 + 5)^{\frac{3}{2}}} dx$$

(7)

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

(8)

$$\int \frac{x}{\sqrt{x^2 + 4x + 8}} dx$$