(1)
$$\int \sqrt{x(x^2-5)}dx$$
 (2) $\int (e^x-3\cos x)dx$ (3) $\int \tan^2 x dx$

(2)
$$\int (e^x - 3\cos x) dx$$



$$(1) \int \frac{\sin x + 1}{\cos x} dx$$

$$(2) \int \frac{\cos x + 1}{\sin x} dx$$



$$(1) \int \sin^2 \frac{x}{2} dx$$

(2)
$$\int \cos^2 \frac{x}{2} dx$$

(1)
$$\int \sin^2 \frac{x}{2} dx$$
 (2) $\int \cos^2 \frac{x}{2} dx$ (3) $\int \frac{1}{\sin^2 \frac{x}{2} \cos^2 \frac{x}{2}} dx$



$$(1) \int \frac{dx}{1 + \cos 2x}$$

$$(2) \int \frac{\cos x + 1}{\sin x} dx$$

(1)
$$\int \frac{dx}{1 + \cos 2x}$$
 (2)
$$\int \frac{\cos x + 1}{\sin x} dx$$
 (3)
$$\int \frac{\cos x - 1}{\sin x} dx$$

