

7.03

1.

$$\int \frac{dx}{1 + 3 \cos^2 x}$$

2.

$$\int \frac{dx}{\sin^2 x - 5 \sin x \cos x}$$

3.

$$\int \frac{dx}{8 - 4 \sin x + 7 \cos x}$$

4.

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

5.

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