

(A)

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

(B)

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

(C)

(D)

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

(E)

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

(F)

$$\int \frac{6-6x^2}{x^3-3x} dx$$

(G)

$$\int \frac{\cos x}{\sin^3 x} dx$$

(H)

$$\int \frac{\cos x}{\sin x} dx$$

①

$$\frac{-1}{2\sin^2 x} + c$$

②

$$\frac{2}{9}(x^3-3x)^{3/2} + c$$

③

$$\ln |\sin x| + c$$

④

$$\frac{1}{3} \arcsin 3x + c$$

⑤

⑥

$$\frac{-1}{3(x^3-3x)} + c$$

⑦

$$-\frac{1}{3} (1-9x^2)^{\frac{3}{2}} + c$$

⑧

$$-2 \ln |x^3-3x| + c$$