$$\int_{1}^{2} 4x^{3} e^{x^{4}} dx$$

$$U = x^{4} : dU = 4x^{3} dx$$

$$dU = 4x^{3} dx$$

$$dU = 4x^{3} dx$$

$$dU = 4x^{3} dx$$

35.
$$\int_{-1}^{2} (1-x) dx$$
36. $\int_{0}^{9} (\frac{1}{2}x-2) dx$
37. $\int_{-3}^{9} (1+\sqrt{9-x^{2}}) dx$
38. $\int_{-3}^{5} (x-\sqrt{25-x^{2}}) dx$
38. $\int_{-3}^{3} (x-\sqrt{25-x^{2}}) dx$
38. $\int_{-3}^{3} (x-\sqrt{25-x^{2}}) dx$
39. $\int_{-3}^{9} (1+\sqrt{9-x^{2}}) dx$
31. $\int_{-3}^{9} (1+\sqrt{9-x^{2}}) dx$
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38. $\int_{-3}^{9} (1+\sqrt{9-x^{2}}) dx$
39. $\int_{-3}^{9} (1+\sqrt{9$

Senx Cos2x dx

Por forts

$$\int_{0}^{\pi} \frac{\cos x \, dx}{\sqrt{\cos x} \, dx} \qquad \int_{0}^{\pi} \frac{\cos x \, dx}{\sqrt{\cos x} \, dx}$$

$$\int_{0}^{\pi/2} \cos^{2}x \, dx$$

$$\int_0^{\frac{\pi}{2}} \cos^2 x \, dx$$

$$= X \int_{0}^{\infty} - \int_{0}^{\infty} X \cos(x^{2}) dx$$

$$5imet mos$$

$$3$$

$$(x) = -(-x)$$

$$(x) = -(x)$$

$$(x) = -(x)$$

$$(x) = -(x)$$

$$(x) = -(x)$$

$$\frac{3}{5} = \frac{3}{x^2 dx}$$

$$\frac{3}{x^2 dx}$$

$$\int_{-\frac{\pi}{2}}^{\frac{\pi}{2}} \cos(\pi) dx = 2 \int_{0}^{\frac{\pi}{2}} \cos(\pi)$$