

(3) I 
$$\sin^{3}x \cos x \, dx$$

Let  $u = \sin x$ 
 $du = \cos x \, dx$ 

I  $\sin^{3}x \cos x \, dx$ 

I  $\cos^{3}x + C$ 
 $\cos^{3}x + C$ 
 $\cos^{3}x + C$ 
 $\cos^{3}x + C$ 

I  $\cos^{3}x + C$ 
 $\cos^{3}x + C$ 
 $\cos^{3}x + C$ 

I  $\cos^{3}x + C$ 

Close:  $u = \ln (x^{2})$ 
 $dx = e^{2x} \, dx$ 

I  $\cos^{3}x + C$ 

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 $dx = e^{2x} \, dx$ 

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Close:  $u = \ln (x^{2})$ 
 $\cos^{3}x + C$ 

I  $\cos^{3}$ 

$$2x^{3}+4x^{2}-2x+4= \longrightarrow$$

$$-2x(x+1)(2x-1)^{2}+(2x-1)^{2}+(2x-1)^{2}+(2x+1)^{2}$$

Ayeo. 
$$= \int_{0}^{4} 5x - x^{2} - x \, dx$$

$$= \left( 2x^{2} - \frac{x^{2}}{5} \right) \Big|_{0}^{4}$$

$$= \left( \frac{1}{2}x^{2} - \frac{x^{2}}{5} \right) \Big|_{0}$$

$$\begin{aligned} &\lim_{t\to\infty} \sup_{\mathbf{x}\in \Gamma(t)} (-1) + \operatorname{sec}(\mathbf{x}) \\ &= \lim_{t\to\infty} (-1)$$

(6) 
$$\int_{0}^{\sqrt{x}} dx$$

$$f(x_{0}) = f(x_{0}) = 1$$

$$f(x_{1}) = f(x_{0}) = 1.98$$

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$$f(x_{1}) = f(x_{0}) = 2.17$$

$$f(x_{1}) = f(x_{0}) = 2.19$$

$$f(x_{2}) = f(x_{0}) = 2.19$$

$$f(x_{3}) = f(x_{0}) = 2.19$$

$$f(x_{3}) = f(x_{0}) = 1.98$$

$$f(x_{3}) = f(x_{0}) = 1.00$$

$$f(x_{3}) = f(x_{3}) = 1.$$