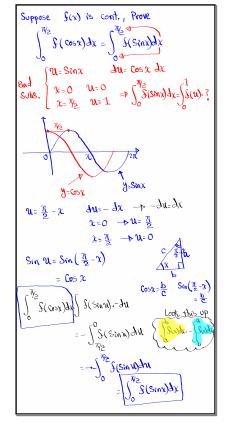


Feb 19-8:47 AM



May 10-9:42 AM

Evaluate
$$\int_{1}^{18} \int_{\frac{3}{2}}^{\frac{3}{2}} dx = \int_{1}^{18} \int_{\frac{3}{2}}^{\frac{3}{2}} dx = \int_{1}^{8} \int_{1}^{8} \int_{\frac{3}{2}}^{\frac{3}{2}} dx = \int_{1}^{8} \int_{\frac{3}{2}}^{\frac{$$

May 11-8:51 AM

Evaluate
$$\int_{1}^{64} \frac{1 + \sqrt[3]x}{\sqrt{x}} dx = \int_{1}^{64} (\frac{1}{\sqrt{x}} + \frac{\sqrt[3]x}{\sqrt{x}}) dx$$

$$= \int_{1}^{64} (x^{-1/2} + x^{\frac{1}{3} - \frac{1}{2}}) dx = \int_{1}^{64} (x^{-1/2} + x^{\frac{1}{2}}) dx$$

$$= (\frac{-1/2+1}{x^{-1/2+1}} + \frac{x^{\frac{1}{2} - \frac{1}{2}}}{x^{\frac{1}{2} - \frac{1}{2}}}) dx = (\frac{x^{\frac{1}{2}}}{x^{\frac{1}{2}}} + \frac{x^{\frac{1}{2}}}{x^{\frac{1}{2}}}) dx$$

$$= (2\sqrt{64} + \frac{6}{5}) \sqrt[3]{x^{\frac{1}{2}}} - (2\sqrt{11} + \frac{6}{5}) \sqrt[4]{x^{\frac{1}{2}}}$$

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$$= (2\sqrt{14} + \frac{6}{5}) \sqrt[3]{x^{\frac{1}{2}}} - (2\sqrt{11} + \frac{6}{5}) \sqrt[4]{x^{\frac{1}{2}}}$$

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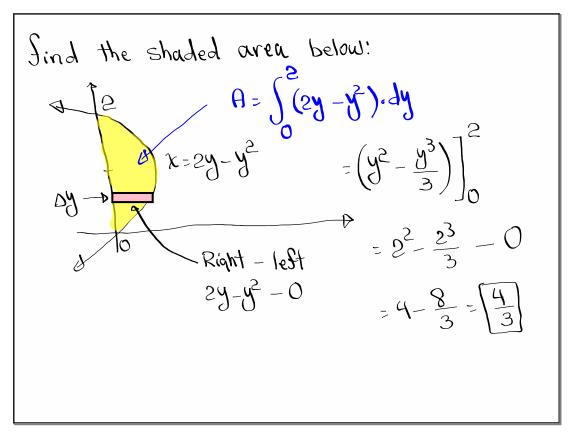
$$= (2\sqrt{14} + \frac{6}{5}) \sqrt[4]{x^{\frac{1}{2}}} - (2\sqrt{11} + \frac{6}{5}) \sqrt[4]{x^{\frac{1}{2}}}$$

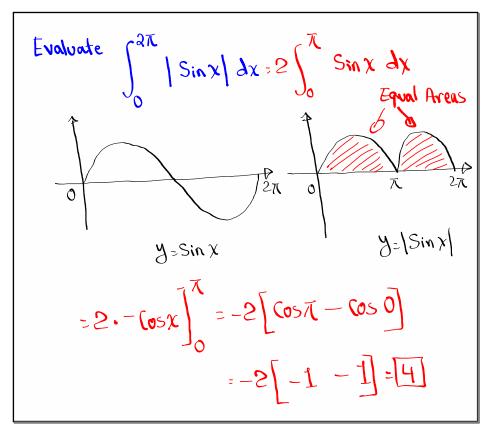
$$= (2\sqrt{14} + \frac{6}{5}) \sqrt[4]{x^{\frac{1}{2}}} - (2\sqrt{11} + \frac{6}{5}) \sqrt[4]{x^{\frac{1}{2}}}$$

$$= (2\sqrt{14} + \frac{6}{5}) \sqrt[4]{x^{\frac{1}{2}}} - (2\sqrt{14} + \frac{6}{5}) \sqrt[4]{x^$$

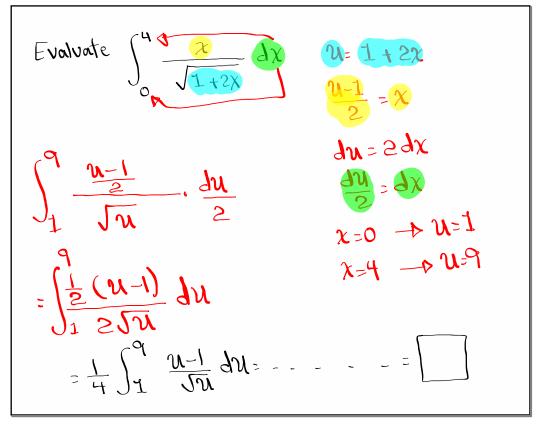
May 11-8:55 AM

May 11-9:03 AM





May 11-9:15 AM



If
$$f(x)$$
 is cont. on $[a,b]$, then overage value of $f(x)$ on $[a,b]$ is

$$\int_{a}^{b} \int_{a}^{b} \int_{a}^{b$$

May 11-9:24 AM