



$$(g) \int \frac{1}{5} \frac{1}{5$$

$$\int_{V} \frac{1}{\sqrt{2x-1}} dx \qquad \int_{V} \frac{1}{\sqrt{2x-1}} dx
\int_{V} \frac{1}{\sqrt{2x-1}} dx \qquad \int_{V} \frac{1}{\sqrt{2x-1}} dx
\int_{V} \frac{1}{\sqrt{2x-1}} \int_{V} \frac{1}{\sqrt{2x-1}} dx = \int_{V} \frac{1}{\sqrt{2x-1}} \int_{V} \frac{1}{\sqrt{2x-1}}$$

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Warm Up Simon Fraser University: Final Exam 2006

- 1. Evaluate the following, if it is possible: [4 marks each = 24 marks]
- a) $\int x^2 (\ln x)^2 dx$ b) $\int_0^{\frac{\pi}{2}} \cos^3 x \sin 2x dx$ c) $\int \frac{3}{x^{-\frac{1}{2}} (x^{\frac{3}{2}} - x^{\frac{1}{2}})} dx$ d) $\int \frac{\sqrt{x^2 - 1}}{x} dx$

e)
$$\int_{0}^{3} \frac{dx}{x^{2} - x - 2}$$
 f) $\frac{d}{dx} \int_{e}^{\ln x} \sin(t^{2} + 1) dt$

Review - Practice Test for Sinusoidal Functions.doc

Review - Trigonometric Functions(3)(4).doc