Mathematics 122

Quiz #28

Name:	K-ex	

You must show your work to get full credit.

(1) Use your calculator to compute the following:

$$\int_{0}^{1} (a) \int_{0}^{3} (x^{2} + 2x) dx$$

$$= \int_{0}^{1} \int_{0}^{3} (x^{2} + 2x) dx$$

$$= \int_{0}^{1} \int_{0}^{3} (x^{2} + 2x) dx$$

$$\int_{-1}^{2} u \, 2^{2u} \, du$$

$$IP^{+(c)} \int_{-2}^{3} \frac{t+4}{t^{2}+3} dt$$

$$f_{N} I_{N} + ((X+4)/(X^{2}+3), X, -2, 3)$$

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(2) The speed of a care t hours after it starts a trip is known to be $v(t) = 2 + 15(.8)^t$ miles per hour. How far does the car travel in the second half hour of the trip? (The second half hour is between t = .5 and t = 1.0.