Calculus
M 20 February 2012

RESET THE SESSION

SET THE PARTICIPANT LIST

PLUG IN THE RECEIVER

Look at an unused file

Cover the look ahead

Topics covered are in bounds

Boxed answers agree with TurningPoint answers

Points agree with TurningPoint points

Points total to 100

QUIZ
FOLLOWS

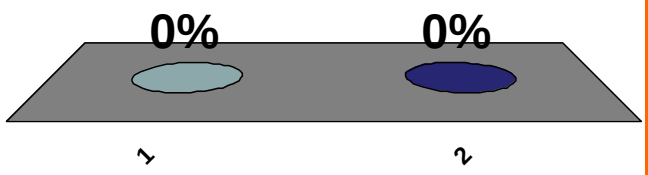
T or F:

f incr. on $(2,3)$

$\Rightarrow$ $f' > 0$ on $(2,3)$

(a) True

(b) False



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40

$$\frac{d}{dx}\left[7^{1/2}\right] = ??$$

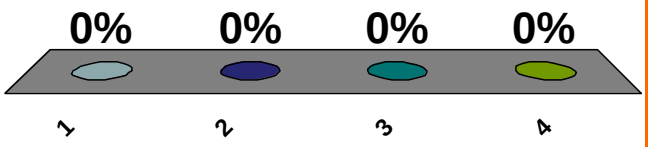
(a) DNE

(b) $[1/2]\left[7^{-1/2}\right]$

(c) $7^{1/2}(\ln 7)$

(d) none of the above

Correct answer: 0



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go over Version A of Midterm 01

QUIZ FOLLOWS

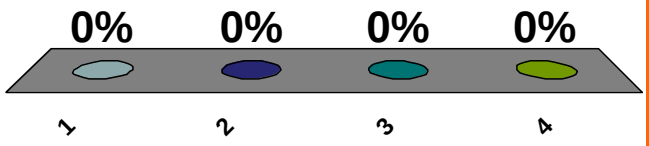
$$\frac{d}{dx}\left[\text{la}\left(x^2+4x-1\right)\right]$$

(a) $\text{la}\,(2x+4)$

(b) $\left[\text{la}\left(x^2+4x-1\right)\right][2x+4]$

(c) $\dfrac{2x+4}{x^2+4x-1}$

(d) none of the above



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0 of 5

Topic 0390

0 pts

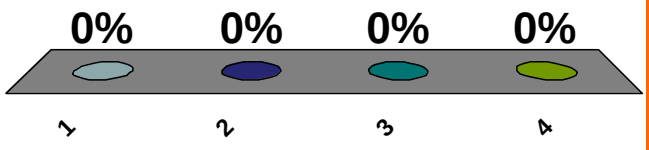
$$\frac{d}{dx}\left[\ln\left(\left(x^2+4x-1\right)^{1/3}\right)\right]$$

(a) $\frac{1}{3}\cdot\frac{2x+4}{x^2+4x-1}$

(b) $\left(\frac{2x+4}{x^2+4x-1}\right)^{1/3}$

(c) $\frac{1}{3}\left(\frac{2x+4}{x^2+4x-1}\right)^{-2/3}$

(d) none of the above



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0 of 5

Topic 0390

0 pts

LOOK AHEAD

antideriv of x^3 w.r.t. x
(indef) integral of x^3 w.r.t. x

principle of logarithmic differentiation
$(d/dx)(2^x)$, $(d/dx)(x^{\cos x})$

$(d/dx)(\sqrt[3]{x})$, $(d/dx)(\log_2(x))$

derivs of arcsin, arccos
derivs of arctan, arccot

linear find-ε problem

SAVE THE SESSION DATA

RETURN TO PRESENTATION