

# Calculus

F 18 October 2013

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RESET SESSION

Response tables

$\Sigma$  points = 100

Pts agree

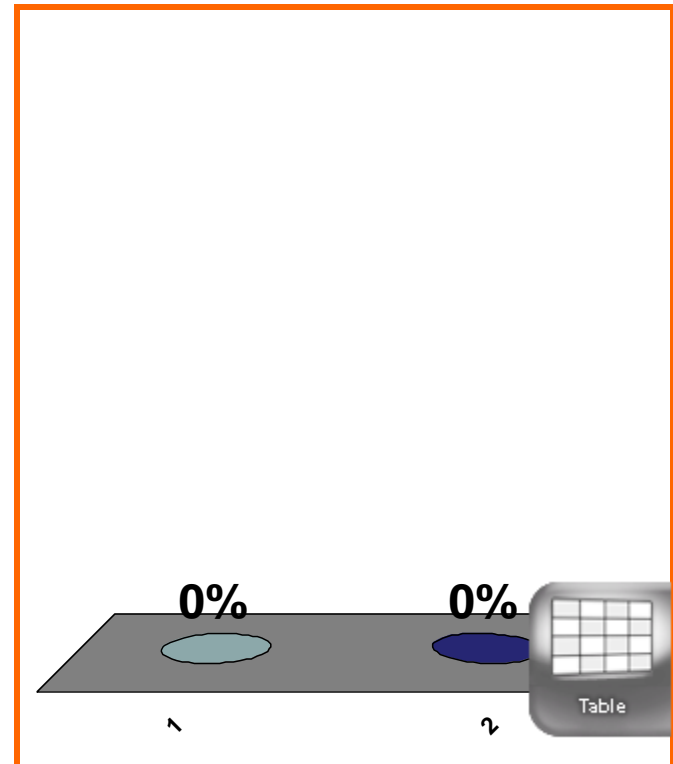
Answers agree

QUIZ  
FOLLOWS

$$1 + 1 = ??$$

(a) 1

(b) 2



arithmetic

0 pts

5

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

$$(d/dx)(\arctan e^x) = ??$$

$$(a) \frac{1}{1+(e^x)^2}$$

$$(b) (\operatorname{arcsec}^2 e^x)(e^x)$$

$$(c) \frac{e^x}{1+(e^x)^2}$$

(d) none of the above

A quiz interface with four options labeled 1, 2, 3, and 4. Each option has a colored oval below it and a '0%' progress indicator above it. Option 1 has a light blue oval, option 2 has a dark blue oval, and option 3 has a teal oval. Option 4 has a grey oval. To the right of the options is a 'Table' icon, which is a grid with the word 'Table' written below it.

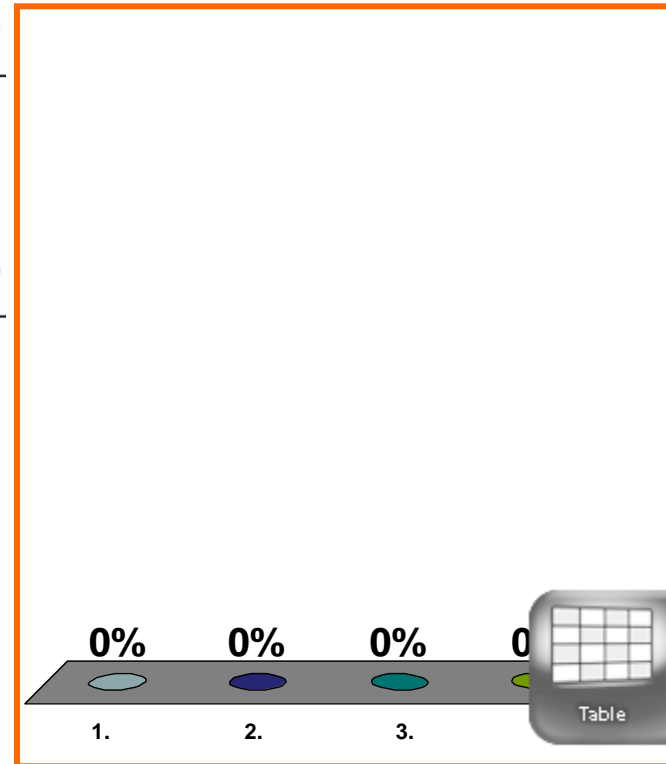
$$\lim_{x \rightarrow 0} \frac{e^x - 1 - x}{x^2} = ??$$

$$(a) \lim_{x \rightarrow 0} \frac{(e^x - 1 - x)(2x) - (x^2)(e^x - 1)}{x^4}$$

$$(b) \lim_{x \rightarrow 0} \frac{(x^2)(e^x - 1) - (e^x - 1 - x)(2x)}{x^4}$$

$$(c) \lim_{x \rightarrow 0} \frac{e^x - 1}{2x}$$

(d) none of the above



$$\ln(1 + (3/n)) \underset{n \rightarrow \infty}{\sim} 3/n$$

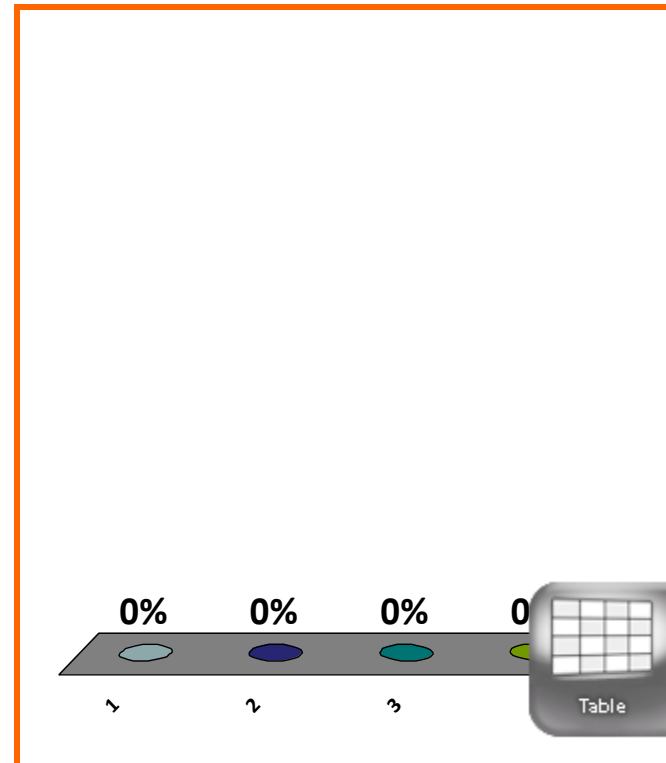
$$\lim_{n \rightarrow \infty} n[\ln(1 + (3/n))] = ??$$

(a) 0

(b) 3

(c)  $\infty$

(d) none of the above





$$[d/dx][xe^y + y] = ??$$

$$(a) e^y + xe^y y' + y'$$

$$(b) e^y + xe^y + 1$$

$$(c) e^y + xe^y + y'$$

(d) none of the above

0% 0% 0%

1. 2. 3. 4.

Table

END  
QUIZ