Honors Calc 1 MAC3472 3203 | **Freebie Quiz Q4** | Prof. JLF King 31Aug2015

Note. This is an open brain, open HHA, closed book, quiz. Please fill in the blanks. Show no work.

Q4a: Let

$$h(z) \;:=\; \int_{3}^{z^3+z^2} \sin^2(t)\,\mathrm{d}t\,.$$

Then $h'(z) =$ ␣.

Q4b: The sum $\frac{1}{12} + \frac{1}{20} + \frac{1}{30} + \cdots + \frac{1}{2000\cdot 2001}$ i.e,

$$\sum_{j=3}^{2000} \frac{1}{j\cdot[j+1]}\,,$$

can be written as p/q in canonical form, with
$p =$ ␣ and
$q =$ ␣.

Q4a:	___ ___	25pts
Q4b:	___ ___	25pts
Total:	___ ___	50pts

Print name ␣ Ord:

Filename: `Classwork/1Calculus/1Calc2001t/q4.1Calc2001t.latex`
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