Student name: Wednes-
day 7 May 2014

Comp no#:   Math 205 2nd Quiz

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5 Marks

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Use the Divergence theorem to calculate the surface integral $\iint\limits_{S} \overrightarrow{F} \bullet d\overrightarrow{S}$,

where $\overrightarrow{F}(x,y,z) = \langle x^3, y^3, z^3 \rangle$
    and S is the surface of the solid bounded by the cylinder $x^2 + y^2 = 1$ and
the planes $z = 0$ and $z = 2$

                                                     Good
Luck
                                                     Dr.Khadijah
A.Sharaf

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