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\documentstyle[12pt,psfig]{report}
\setlength{\headheight}{0.0in}
%\setlength{\footheight}{0.0in}
\setlength{\topmargin}{-0.9in}
\setlength{\oddsidemargin}{-.25in}
\setlength{\textwidth}{7.0in}
\setlength{\textheight}{9.9in}
\setlength{\parskip}{.2in}
\setlength{\baselineskip}{.25in}

\def\ex{{\cal X}}
\def\1s{\vspace{.3cm}}
\def\2s{\vskip2ex}
\def\3s{\vskip3ex}
\begin{document}
\pagestyle{empty}
\noindent {\LARGE M}{\large ath} {\LARGE 120} {\LARGE S}{\large pring} {\LARGE 2001}
\1s
\hrule
\noindent
\begin{tabular}{lcr}
{\Large Quiz {\bf 5
}}\hspace{3cm} & \hspace{2.25in} & {\Large\sc Basic Calculus II}\\
 & \hspace{1in} &
\end{tabular}
\2s
%Name: \makebox[2in]{\hrulefill}
%\2s
%Date: \makebox[2in]{\hrulefill}
%\1s
\begin{tabular}{lcr}
Name: \makebox[2in]{\hrulefill}  & \hspace{1.5in} & \\
Section: 8:30am or 10:30am (circle one) & \hspace{1.0in} &  Math~120  \\
 \makebox[2in] & \hspace{1.0in} & {\bf Wednesday, March 7, 2001} \\
 \makebox[2in] & \hspace{1.0in} & Ron Buckmire \\
\makebox[2in] & \hspace{1.0in} &  Alan Knoerr\\
% \makebox[2in] & \hspace{1.0in} &  \\
\end{tabular}
\1s

\hrule
\2s
{\Large {\bf Topic covered:}} Integration by substitution

{\small The point of this quiz is to illustrate your ability to evaluate integrals by
integration by substitution.}

\vfill
{\Large {\bf Instructions: }}
\begin{itemize}
\item[1.] Once you open the quiz, you have 50 minutes to complete it.
\item[2.] Where ever possible indicate your answer clearly, in the form of a sentence,
showing all work necessary to understand your solution.
\item[3.] You may not use the book or any of your class notes, but you may use a
calculator.  You must work alone.
\item[4.] If you use your own paper, please staple it to the quiz before coming to class.
If you don't have a stapler, buy one.
\item[5.] After completing the quiz, sign the pledge below stating on your honor that you
have adhered to these rules.
\item[6.] Relax and enjoy....
\item[7.] {\bf This quiz is due on Friday, March 9}, at the beginning of class.  NO LATE
QUIZZES WILL BE ACCEPTED.
\end{itemize}

\1s
{\bf Pledge:} I, \makebox[2in]{\hrulefill}, pledge my honor as a human being and Occidental
student, that I have followed all the rules above to the letter and in spirit.
\1s
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\hrule
\newpage
\begin{tabbing}
Math 120 Spring 2001 \`  Quiz {\bf 5}\\
\end{tabbing}
\vspace*{-60pt}

\begin{center}
{\large\bf SHOW ALL YOUR WORK}
\end{center}
\vspace*{-24pt}

\noindent 1. {\bf (a)} {\it (4 points)}. Evaluate the integral $A = \displaystyle \int_1^5
\frac{1}{\sqrt{u}} \ du$
\vfill


\noindent {\bf (b)} {\it (6 points)}. Show that your answer in {\bf (a)} can be used to
evaluate the integral $B = \displaystyle \int_0^2 \frac{x}{\sqrt{x^2+1}} dx.$ In other
words, show how one integral can be transformed into the other via integration by
substitution, and thus how $A$ and $B$.
\vfill
\vfill


\end{document}
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