Integrals Commonly Goofed Up

Name:

You are to evaluate the following integrals. Please do your initial work on a separate sheet, then rewrite your work **neatly** on this page and turn it in by the midterm exam on Thursday, July 10. This is an “extra credit” assignment; if everything is done correctly (showing all work!) and neatly, then your lowest quiz score will be replaced with a 20.

\[
\int \frac{1}{\sqrt{1-x^2}} \, dx =
\]

\[
\int \frac{x}{\sqrt{1-x^2}} \, dx =
\]

\[
\int \frac{x}{1-x^2} \, dx =
\]

\[
\int \frac{1}{1-x^2} \, dx =
\]

\[
\int \frac{1}{1+x^2} \, dx =
\]

\[
\int \frac{x}{1+x^2} \, dx =
\]