You will have twenty minutes to take this quiz. Read the instructions carefully. There are more questions on the back of this page.

1. (5 points) Show your work. Partial credit may be awarded. Compute the antiderivative

\[
\int \frac{x \left( x^3 - 2x^2 + x \right) + 4}{x^3 - 2x^2 + x} \, dx
\]
2. (5 points) Show your work. Partial credit may be awarded. Compute the antiderivative

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

(1)