Name: _____

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

$$\int \frac{x\left(x^3 - 2x^2 + x\right) + 3}{x^3 - 2x^2 + x} dx$$

2. (*5 points*) *Show your work. Partial credit may be awarded.* Compute the antiderivative

$$\int \sqrt{7 - x^2}\,dx \tag{1}$$