

Name _____ Student number _____ Quiz section: _____

There are three problems in this quiz (the other one is on the back of this page), total of 20 points. Write legibly and show your work fully.

1. (7 points) Evaluate the definite integral $\int_0^1 \frac{x}{\sqrt{4-x^2}} dx$.

2. (6 points) Evaluate the indefinite integral $\int x\sqrt{x-9} dx$.

3. (7 points) Evaluate the indefinite integral $\int \frac{(x+1)^2}{\sqrt{x-1}} dx$.