Name: $\qquad$ Date: $\qquad$
Math 2 - Quiz 5

1. [6 pts] Use integration by parts to calculate

$$
\int_{1}^{3} x^{2} \ln (x) d x
$$

2. [6 pts] Calculate $\int_{0}^{\pi} \sin ^{5}(x) d x$. Simplify your answer.
