## Quiz $5 \quad$ Calculus $1 \quad$ 12/6/2016

Each problem is worth 5 points. Clear and complete justification is required for full credit.

1. Evaluate $\int_{1}^{3}\left(x^{2}+1\right) d x$.
2. Evaluate $\int_{0}^{1} x(\sqrt{x}+\sqrt[3]{x}) d x$.
