MAT 136 (Calculus I), Quiz 8, Prof. Jim Swift

Name: _____

1. Evaluate $\dfrac{d}{dx}\sin(x^2+1)$

2. Recall that $\displaystyle\int f(x)\,dx = F(x) + C$, where $F'(x) = f(x)$.

Fill in the blank. $\displaystyle\int dx = xe^{2x} + C.$

3. Evaluate $\int \cos(2x)\,dx$

4. Evaluate $\int_0^1 \sqrt{x}\,dx$

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