

QUIZ 2 - MATH 152

Friday, January 20

YOUR NAME: _____

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Read each problem **very carefully** before starting to solve it. Each problem is worth 5 points. It is necessary to show **all** your work. Correct answers without explanations are worth 0 points. GOOD LUCK!!

1. Use integration by parts to compute the definite integral $\int_1^4 \sqrt{x} \ln x \, dx$.

2. Compute the integral $\int x \cos^2 x \, dx$.