

Date: 11/15/13.

Instructor: Cody Clifton.

Name: _____

This 10-point quiz will test your knowledge of integration by parts and the method of partial fractions. Read carefully and always show your work. You have 15 minutes... good luck!

(1) State the general formula for *integration by parts* in terms of u and v .

(2) Evaluate $\int x^2 \sin x \, dx$.

(3) Use the method of partial fractions to find $\int \frac{4x}{(x+3)(x-1)} \, dx$.