

You must show **all** work to receive full credit. All work is to be your own.

October 5

This is a closed books and notes test. Be organized. Total points: **20**

19:44 - 19:57

1. §10.4 Evaluation of Line Integrals by Green's Theorem.

Use Green's Theorem to evaluate

20 points

$$\oint_C 3x^2y^2 dx + 2x^2(1 + xy) dy$$

where  $C$  is the circle shown.

