

MATH 211

HOMEWORK 5

NAME \_\_\_\_\_

Prof. J. Beachy

due Wednesday, 11/27/02

Circle C1(T10) C2(T11) C3(Th11)

1. (5 pts; p385 #38)  $\int_0^a (ax - x^2) dx =$

2. (5 pts; p386 #60)  $\int_0^1 (x + 2)^3 dx =$

3. (5 pts; p397 #14) Find the average value of the function  $y = 4 - x^2$  over the interval  $[-2, 2]$ .

4. (5 pts; p372 #44) Find  $s(t)$  if  $a(t) = -6t + 7$ ,  $v(0) = 10$ , and  $s(0) = 20$ .