MATH 2320 Test 1. Part 2

Name:			

This is the second part of test 1. Please write clearly up answers to the questions. Show your **work**. A correct answer without correct work will not count.

Scan your work and email to instructor by 11:25am.

1. Using the **definition** of the integral compute

$$\int_1^3 5x - 4 \, dx.$$

2. Let acceleration be given by $a(t)=6t-12e^{2t}$. And let $v_0=4$ and $s_0=-3$. Find v and s. What is the velocity when t=3 sec.

3. Find the volume of the solid formed when revolving the region bounded by y=2x and y=6-x and the x-axis around the x-axis.