Quiz 2aCalculus 22/9/04

Each problem is worth 5 points. For full credit provide proper justification for your answer.

1. Find the value of
$$\int_{0}^{\infty} \frac{x}{e^x} dx$$
 or show that it diverges.

2. Find the area of the region bounded between y = 2x and $y = x^2 - 3$.