Quiz 6b Calculus 2 4/2/04

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

1. Find a solution to the differential equation $\frac{dQ}{dt} = -0.3Q$ subject to the initial condition Q(0) = 20.

2. A jar of jelly is placed in a 68° F room. Write a differential equation for *H*, the temperature of the object at time *t*.