Please show all your work! Answers without supporting work will not be given credit. Write answers in spaces provided.

Name

1. [4 pts] Solve for y as a function of t when $y' = 20 \ln t$.

nemor.

2. [6 pts] Consider the following IVP: $\frac{dy}{dx} = 11x^2e^{-x^3}$ where y = 10 when x = 2. Find the value of the integration constant, C.

Answer:_