Name: $\qquad$

1. [4 pts] Solve for $y$ as a function of $t$ when $y^{\prime}=20 \ln t$.

Answer: $\qquad$
2. [ $\mathbf{6} \mathbf{~ p t s}$ ] Consider the following IVP: $\frac{d y}{d x}=11 x^{2} e^{-x^{3}}$ where $y=10$ when $x=2$. Find the value of the integration constant, $C$.

