

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

Name: \_\_\_\_\_

1. [5 pts] Compute  $\int \frac{1}{x \ln(x^7)} dx$

$$\int \frac{1}{x \ln(x^7)} dx = \underline{\hspace{10em}}$$

2. [5 pts] Compute  $\int \frac{5(\ln(x))^4}{x} dx$

$$\int \frac{5(\ln(x))^4}{x} dx = \underline{\hspace{10em}}$$