

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

Name: _____

1. [4 pts] Compute $\int 5 \cot\left(\frac{x}{8}\right) dx$

Answer: _____

2. [3 pts] Compute $\int \frac{1}{x \ln(x^{19})} dx$.

Answer: _____

3. [3 pts] Compute $\int \frac{4(\ln(x))^3}{x} dx$.

Answer: _____