Name:

1. [5 pts] Compute $\int 5 \cot (8 x) d x$

Hint: Rewrite $\cot (8 x)$ with a trigonometric identity.

$$
\int 5 \cot (8 x) d x=
$$

2. [5 pts] Compute $\int \frac{4(\ln (5 x))^{3}}{x} d x$.

$$
\int \frac{4(\ln (5 x))^{3}}{x} d x=
$$

