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

Name:_____

1. [**5 pts**] Write the Left and Right Riemann Sums with 20 rectangles to estimate the area under the curve $\sin(2x + 4) - 14$ on the interval of $[60, 80]$.

   DON'T EVALUATE!!!

2. [**5 pts**] Write the Left and Right Riemann Sums with 10 rectangles to estimate the area under the curve $3\ln(x^2)$ on the interval of $[0, 50]$.

   DON'T EVALUATE!!!