

## MA 224 - Quiz 6 (8 minutes)

Please write your name and section number, and put your final answers in a box. For full credit, please show your work!

1. (2 pts) Evaluate the limit

$$\lim_{N \rightarrow \infty} \frac{10}{\ln(N)}$$

2. (2 pts) Evaluate the limit

$$\lim_{N \rightarrow \infty} \frac{\ln(N^2)}{N}$$

3. (6 pts) Compute:

$$\int_0^{\infty} \frac{x^2}{1+x^3} dx$$