

QUIZ 7

Time: 10min

1. Find the present and future values of a constant income stream of \$100 per year over a period of 10 years, assuming 5% annual interest rate compounded continuously.

2. Show that

$$\frac{1}{2} + \frac{1}{3} + \frac{1}{4} + \dots + \frac{1}{n} < \ln n.$$

Each problem is worth 5 pts.