

**Question #8291** The size of a population grows according to the formula  $p(t) = 1000^{0.01t}$ , where time is measured in months. What is the average of the population in the first five months?

**Solution.** we are to find  $1/5 \sum_{t=0}^5 1000^{0.01t} \approx 1.63$ .