These are alleged answers. For each error herein, you get extra-credit points for being the first to report it by e-mail.

1 $\mathbf{2500(1.045)^{20} \approx \$6029.29}$

2 $\mathbf{20000(1.045)^{-60} \approx \$1425.78}$

3 $\displaystyle\mathbf{\sum_{k=0}^{19} 100(1.045)^k = 100 \cdot \sum_{k=0}^{19} (1.045)^k = 100 \cdot \frac{1.045^{20}-1}{1.045-1} = 100 \cdot \frac{1.045^{20}-1}{0.045} \approx \$3137.14}$

4 $\displaystyle\mathbf{\sum_{k=0}^{19} 100\left(1.045^4\right)^k = 100 \cdot \sum_{k=0}^{19} (1.045^4)^k = 100 \cdot \frac{1.045^{4\cdot 20}-1}{1.045^4-1} \approx \$17,052.95}$

5 $\displaystyle\mathbf{\sum_{k=0}^{99} 250 \cdot 1.045^{-k} = 250 \cdot \sum_{k=0}^{99} 1.045^{-k} = 250 \cdot \frac{1.045^{-100}-1}{1.045^{-1}-1} \approx \$5734.40}$