1. To what sum will $2000 amount in 8 years if invested at 6% effective rate for the first 4 years and 12% compounded semiannually thereafter?

2. A debt of $2000 due in 4 years is to be paid by a single payment of $1000 now and a final payment 6 years from now. If interest rate is 8% compounded quarterly, how much is the final payment?