**PLEASE SHOW ALL WORK AND FORMULAS**

1. Calculate the future value of 1,535 invested today for 8 years at 6 percent.
2. What is the total present value of the following cash stream, discounted at 8 percent?

Year Amount

* 1. 400
  2. 750
  3. 945
  4. 145
  5. 78

1. If you invested $2,000 per year into an IRA for 30 years and received 6 percent return each year, what would the account balance be in 30 years? (8 points)