

The Fidelity Massachusetts Aggressive Growth 529 fund has a ten year average annual rate of return of 3.66%.

Treat this rate of return as if it were continuous over the ten year period.

1. If you put \$20,000 in the fund nine years ago, how much would you have in the fund now?
2. If you want to have \$240,000 in the account now, how much should you have put in nine years ago?
3. Suppose that you now have \$20,000 to invest, and you want \$240,000 in nine years. What average rate of return would you need the fund to meet?