$\qquad$
Assume you plan to make the first of a series of annual deposits into an account seven months from today. Your deposits will grow by $1 \%$ each through your final deposit five years and seven months from today. You plan to make the first $\$ 150$ quarterly withdraw from the account six years and two months from today. Your plan to make your final $\$ 150$ withdrawal (all withdrawals are $\$ 150$ ) eight years and five months from today. How large do you need to make your first deposit if the account pays an APR of $5 \%$ with monthly compounding?

