Instructions: Show all work. Use exact answers unless otherwise directed to round.

1. You deposit \$200 each month into an account earning 3% interest compounded monthly.

$$N=360$$
 PV=0 P/y=12 TV=116,547.38 I=3% PMT=200 C/y=12 b. How much total money will you put into the account?

c. How much total interest will you earn?

2. You can afford a \$700 per month mortgage payment. You've found a 30-year loan at 5% interest.

b. How much total money will you pay the loan company?

c. How much of that money is interest?

3. Pat deposits \$6,000 into an account earning 4% compounded monthly. How long will it take the account to grow to \$10,000?

154 months ~ 12.83 years 12 years 10 months