* Unstapled, frills, messy - Spts

2 \$ 160 billion Zets

303 Blank 2) P= Po (1+r) = 1 pt = 450,000 (1+.06) 213 ×\$1.105 × 10" 2 \$ 110,5 billion 20ts

46+3 Blank 3) The principal is \$110.5 billion 1pt The amount of interest earned in 1990 is 110.5×10" (.06) = \$6.63×109 Ipta Want Interest/second. Need # of seconds in a year: (365 days (24 hours) (60 mins) (60 sec) = 31,536,000 sec/year 1pt Interest is account at

\$6.63×109 2 \$210,24/sec 1pt

10 pts 2) To decays exponentially so

Zots Tr = Aert where ris resolve

From the table we know

2pts 37 = Ae (4) and 13 = Ae (19.5)

Need to find A (the amount at t=0) so first solve for or then plug in to solve for A.

ln(13/37)=15,5r

r= ln(13/37) 2-.06748 2pts

37 = Ae4((ln(13/37))

A= 37 4(en(13/37) & 48.5 ng/ml 2pts

Since the peak is greater than 45 ng/m1, we CAN diagnose maphylaxis 2pts