Total An Clue 4: due 4: Q1: Given:  $FV = R\left(\frac{(1+i)^n - 1}{i}\right) = 50\left(\frac{(1+\frac{0.88}{12})^n - 1}{\frac{0.038}{12}}\right)$  $PV = R\left(\frac{1-(1+i)^{-n}}{i}\right) = 25\left(\frac{1-(1+0.022)^{-12\cdot t}}{12}\right)$  $1244.73 = 25\left(\frac{1-(1.0018\overline{3})^{-12t}}{18\overline{3}\times10^{-3}}\right)$ General Form 49.7892= 1-(1.00183)-126 100,000= -(-3) 1+1 1.83×10-3 +100,001= +3 m 109100,001 =1437 +0.9087 = + (1.00183) 10g0.9087 = -12t/og 1.00/83 € = 4.35/1 ✓ = 10.48 16+2+4.35 = 22.35 years old x-3.2 -3.02 Q2! 7-17,55,-161,487,-1457,4375,-13/21 x-2.428 ×2.9 -2,99 It seems like the ratio gets closer to - 3 as the Sequence your on. This means this geometric sequence Must have a base of (-3) "..., Lets first try this base -3,4,-27,81,-243,729,-2187,6561 This seems very similar it you multiply each term by z. 16,18, -54, 162, -486, 1458, -4374, 13122 Now if we muliply by -1 and add , we get the sequence.