

5. Assume that the median price, P, of a home rose from \$50,000 in 1970 to \$100,000 in 1990. Let t be the number of years since 1970. Find the median price of a home in 2003, assuming that the housing prices rise exponentially. $K = 1n^2$

0,50000) (20,100000) y= 50000 e KE $y = 50000 e^{2}$ $y = 50000 e^{2}$ $2 = e^{20K}$ y= 156916,82