Quiz 1

Name: Ke y

You must show your work to get full credit.

1. If  $N_{t+1} = 1.2N_t$  and  $N_0 = 5$  find  $N_t$  for t = 0, 1, 2, 3, 4.

No, N, Nz, Nz, Ny

 $N_0 = 5.000$ 

$$N_1 = 6.000$$

$$N_2 = 7.200$$

$$N_3 = 8.640$$

$$N_4 = 10.368$$

t= 17.04

2. If a population grows by the model  $P_{t+1} = 1.5P_t$  and  $P_0 = 10$  how long until does it take the population to size to reach 10,000?

= 10 (1.5)\*

We want to solve

That is