**Quiz 9**
November 20, 2002

Name _____

A model for the percentage of households with TVs that also have VCRs is

$$p(x) = 40.818 + 17.388 \ln x$$

percent where $x$ is the number of years since 1985. This model applies for the years 1990 through 1996.

1. How rapidly was the percentage of households with TVs and VCRs growing in 1995?

2. On the basis of the rate of change in 1995, what approximate increase would you expect between 1995 and 1996.