

Name:

**Quiz #5**

Instructions: do all of the following problems on **both sides** of this paper. Show all of your work.

1. Suppose the number of Space Camps in the U.S. is increasing at a rate of 12.3% per year. If there are 319 Space Camps this year, how many years ago were there 100 Space Camps?

2. On some future date, there is a new, hip reality television show about astronaut training. Suppose that at the beginning of the show there are 761 contestants. If the show loses half of its contestants every 2.4 days, how many contestants will be left after 15 days?

3. Suppose that during the 21st Century Space Race the number of Laser Space Weapons (LSW) on satellites is doubling every 6.31 weeks. How often does the number of Laser Space Weapons triple in size?