Relative Growth Extra Problems

Math 111

- 1. A 25% increase is the same as multiplying by what growth factor?
- 2. A 150% increase is the same as multiplying by what growth factor?
- 3. A 40% decrease is the same as what growth factor?
- 4. Convert the following growth factors to a percentage change. Be sure to indicate if the change is an increase or a decrease.
 - (a) 1.3
 - (b) 0.75
 - (c) 0.1
- 5. Doubling is the same as what percent increase?
- 6. For three consecutive years the cost of tuition at one university has increased by 5%, 10%, and 8% respectively. How much has the tuition increased overall as a percentage?
- 7. According to the U.S. Census, the population of Virginia increased from 7,079,048 in 2000, to 7,882,590 in 2009. Calculate the growth factor and percentage change for that time period.