

1. The population of Quincy is 211,347 and is declining at a rate of 3.25% every year. To the nearest whole, what will the population be in:

a) 2 years?

197,833

b) 7 years?

167,708

c) n years?

$P = 211,347(1-0.0325)^n$

2. A certain population grows annually according to:

$$P = (1672)(1.2)^n$$

a) What was the original population? 1672

b) How fast is the population growing? 20%

c) How many would be in the population after $7\frac{1}{2}$ years?

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