1. The rule for a geometric sequence is

$$a_n = 200(1/4)^{n-1}$$
 200, 50,  $\frac{50}{4}$ ,  $\frac{50}{8}$ ...

What is the 21st term in the sequence?  

$$Q_{21} = 200(1/4)^{1/2}$$
  
 $Q_{21} = 1.8189894 = -10$ 

2. Write the equation for an exponential decay of 13% per year from a boat worth \$48,500 when purchased

Find the value of the boat after 5 years.

