



The Koch snowflake is produced by replacing  $\rule{1cm}{0.4pt}$  with  $\rule{0.33cm}{0.4pt}\rule{0.33cm}{0.4pt}\rule{0.34cm}{0.4pt}$ .  
How long is the second bent line segment compared to the first?  
How long is each version of the snowflake compared to the previous?  
How much area does each snowflake have compared to the first?

