Section 8.6 Word Problems Name\_\_\_\_\_\_\_\_\_\_\_\_\_

An investment of $100 is now valued at $149.18. The interest rate is 8%   
compounded continuously. About how long has the money been invested?

An initial investment of $200 is worth $315.24 after 7 years of continuous   
compounding. Find the interest rate.

The population of Boringville is 800 dull folks. The number of residents is decreasing at a rate of 32% per year. How many years will it take before the number of inhabitants is 250 people?

Section 8.6 Word Problems Name\_\_\_\_\_\_\_\_\_\_\_\_\_

An investment of $100 is now valued at $149.18. The interest rate is 8%   
compounded continuously. About how long has the money been invested?

An initial investment of $200 is worth $315.24 after 7 years of continuous   
compounding. Find the interest rate.

The population of Boringville is 800 dull folks. The number of residents is decreasing at a rate of 32% per year. How many years will it take before the number of inhabitants is 250 people?