

Algebra II

V-5

Exponential Growth and Decay

Exponential Growth and Decay -

- *1) The half-life of carbon 14 is 5730 years. How much of an initial sample of 80 g will remain after 18000 years?
- What does half-life mean?
 - Use logical thinking to estimate your answer.
 - Calculate the actual amount of carbon 14 remaining.

*3) There are 500 hunnies that live at The Hive. The population of hunnies doubles every 5 days. When will The Hive host 10,000 hunnies?

Assignment:
Worksheet V-5
1-7 all