

- a. Make a sketch showing the relationship between Dr. Dedman's body temperature and time. What type of function is it? Justify your answer.
- b. Is there an asymptote for this relationship? If so, what does it represent? If not, explain why not.
- c. Use your data and the equation $y = ab^x + k$ to model the temperature of the body over time.
- d. At approximately what time did Dr. Dedman die?
- e. Who is the murderer?

