

Exponential Growth and Decay Worksheet

1. $y = 1200 \cdot (1 + 0.3)^t$

A. Does this function represent exponential growth or exponential decay?

B. What is your initial value?

C. What is the rate of growth or rate of decay?

2. $y = 55 \cdot (1 - 0.02)^t$

A. Does this function represent exponential growth or exponential decay?

B. What is your initial value?

C. What is the rate of growth or rate of decay?

3. $y = 100 \cdot (1.25)^t$

A. Does this function represent exponential growth or exponential decay?

B. What is your initial value?

C. What is the rate of growth or rate of decay?

4. $y = 5575 \cdot (0.65)^t$

A. Does this function represent exponential growth or exponential decay?

B. What is your initial value?

C. What is the rate of growth or rate of decay?

5. $y = 2000 \cdot (1.05)^t$

A. Does this function represent exponential growth or exponential decay?

B. What is your initial value?

C. What is the rate of growth or rate of decay?

6. $y = 14000 \cdot (0.92)^t$

A. Does this function represent exponential growth or exponential decay?

B. What is your initial value?

C. What is the rate of growth or rate of decay?

7. $y = 2250 \cdot (1 - 0.9)^t$

A. Does this function represent exponential growth or exponential decay?

B. What is your initial value?

C. What is the rate of growth or rate of decay?

8. $y = 10 \cdot (1 + 0.04)^t$

A. Does this function represent exponential growth or exponential decay?

B. What is your initial value?

C. What is the rate of growth or rate of decay?

Algebra Worksheet 8 7 Exponential Growth Answers

Brendan G. Carr

A red circular graphic with a gradient, appearing as a partial circle or a thick arc, located to the right of the author's name.

Algebra Worksheet 8 7 Exponential Growth Answers:

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