Exponential Growth & Decay · Grade 11

Name _____ Date _____ Score _____ / 6

01 A quantity of 80 grows by 10% each year for 1 year. What is the quantity after 1 year?

Answer: _____

02 A quantity of 10 grows by 20% each year for 1 year. What is the quantity after 1 year?

Answer: _____

03 A quantity of 700 decays by 10% each year for 2 years. What is the quantity after 2 years?

Answer: _____

04 A quantity of 800 grows by 10% each year for 2 years. What is the quantity after 2 years?

Answer: _____

05 A quantity of 50 grows by 10% each year for 1 year. What is the quantity after 1 year?

Answer: _____

06 A quantity of 96 grows by 25% each year for 2 years. What is the quantity after 2 years?

Answer: _____

Exponential Growth & Decay · Grade 11 (Answer Key)

01 A quantity of 80 grows by 10% each year for 1 year. What is the quantity after 1 year?

88

02 A quantity of 10 grows by 20% each year for 1 year. What is the quantity after 1 year?

12

03 A quantity of 700 decays by 10% each year for 2 years. What is the quantity after 2 years?

567

04 A quantity of 800 grows by 10% each year for 2 years. What is the quantity after 2 years?

968

05 A quantity of 50 grows by 10% each year for 1 year. What is the quantity after 1 year?

55

06 A quantity of 96 grows by 25% each year for 2 years. What is the quantity after 2 years?

150