Exponential Growth

1. Exponential growth is

a. a growth factor greater than 1.
b. a growth factor that is less than 1.
c. a growth factor equal to zero.

2. In 2009 you invested $1,000.00 in a Certificate of Deposit (CD). The growth rate is an annual 2%. In 2012, the CD will be worth

a. $1061.21
b. $1080.00
c. $1060.00

3. What is the equation to show exponential growth for this problem, so that you would be able to figure out what the CD will be worth in the year 2029?

a. $m(1.2)^{20}=x$
b. $\$1,000(1.02)^{n}=\$1,201$
c. $\$1,000(1.2)^{20}=\$38,337.59$
d. $\$1,000(1.02)^{20}=\$1,881.66$