

- _____ 5. In a lab, 630 cells are present at the beginning of an experiment. During the first 7 hours, the number of cells decreased by 2% each hour. Write an exponential model giving the number of cells y present t hours after starting the experiment. Estimate the time when the number of cells is 540.
- a. $y = (630 \bullet 0.98)^t$; after about 1 hour c. $y = 630(1.02)^t$; after about 0.8 hour
b. $y = 630(0.02)^t$; after about 2 hours d. $y = 630(0.98)^t$; after about 8 hours
- _____ 6. The number of rabbits in a population quadruples every 5 years. By what percent does the population change each year?
- a. 32% growth c. 75.8% growth
b. 32% decay d. 132% growth



Exponential functions 01 Daily Work
Answer Section

1. B
2. A
3. A
4. B
5. D
6. A

