



3. If a cell divides into 2 cells every 30 minutes, how many cells will there be at the end of 10 hours?
- Write an explicit function for the sequence.
  - Identify the value of the domain and explain where you found it. Use the explicit function to solve the problem.
  - Write your final answer as a sentence.
4. A house worth \$350,000 when purchased was worth \$335,000 after the first year and \$320,000 after the second year. If the economy does not pick up and this trend continues, what will be the value of the house after 6 years?
- Write an explicit function for the sequence.
  - Identify the value of the domain and explain where you found it. Use the explicit function to solve the problem.
  - Write your final answer as a sentence.