

1. In 1996, there were 2573 computer viruses and other computer security incidents. During the following years, the number of incidents increased by about 92% each year.
 - a. Write an exponential model giving the number of incidents t years after 1996.

 - b. About how many incidents were there in 2017?

 - c. In what year were there about 500,000 incidents?

2. In 2000, the average price of a football ticket for Minnesota Viking's game was \$48.28. During the following years, the price increased an average of 6% each year.
 - a. Write a model giving the average price (in dollars) of ticket t years after 2000.

 - b. Estimate the year when the average price of a ticket was about \$100.

3. A new snowmobile costs \$4200. The value of the snowmobile decreases by 10% each year.
 - a. What will the value of the snowmobile be after 28 years? Is this a reasonable value? Explain.

 - b. Estimate when the value of the snowmobile will be \$2500.

