|  |  |
| --- | --- |
| 1. |  |
| 2. |  |
|  | Answer : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 3. | A few years ago, Farouk and Gregory each made an investment on the same day.  **Farouk’s Investment**  Function *f* described below represents the value of Farouk’s investment.  where x: time elapsed, in years, since the day the investment was made  f(x): value of Farouk’s investment, in dollars  Today, to the nearest ₵, Farouk’s investment is worth $3 646.52.  **Gregory’s Investment**  Gregory invested $3 500.  Every year, the value of Gregory’s investment has increased by 4% in relation to its value the previous year.  From the day the investments were made, which of the two investments has gained the most value, in dollars? |