Exercise 1
A small business predicts its revenue growth by a straight-line method with a slope of $10,000 \text{ SR}$ per year. In its tenth year, it had revenues of $110,000 \text{ SR}$. Find an equation that describes the relationship between the revenue $R$ and the number of years $T$ since it opened for business.

Exercise 2
A marketing firm estimates that $n$ months after the introduction of a client’s new product, $f(n)$ thousand households will use it, where

$$f(n) = \frac{6}{5} n(10 - n), \quad 0 \leq n \leq 10.$$ 

Estimate the maximum number of households that will use the product.