1- $A = \$143,827.90$.

2- $P = \$4,528.90$.

3- $h(x)$ is a shift of $f(x)$ to the left by 1 unit and then a shift upwards 3 units. The horizontal asymptote is $y = 3$.

4- Answers:

a. $A = \$11,705.586$.

b. The interest earned in the given period is $\$3,205.59$.