1.  
- The function $f$ is not linear.  
- The function $g$ is linear.  
- The function $h$ is linear.

2.  
- $f(t) = 2(2)^{t/5}$ or $f(t) \approx 2(1.15)^t$  
- $g(t) = 0.03t + 0.02$  
- $h(t) = -0.6t + 20$

3.  
(a) At 14 weeks from the start of her research, there were 129 rabbits in the field.  
(b) Since $R(0) = 20$, there were 20 rabbits in the field at the start of her research.  
(c) \[ \frac{\Delta R}{\Delta t} = \frac{R(6) - R(0)}{6 - 0} \approx \frac{110.95 - 20}{6} \approx 15.2 \text{ rabbits/week} \]  
   During the first 6 weeks, the rabbit population increased at an average rate of 15.2 rabbits per week.