In the text, read section §6.1 and 6.2 and do the Practice Problems.

Then do the following exercises from the text.
From §6.1, do 1, 42–46, and 51.
From §6.2, do 1, 9, 18, 19, 21, 26, 28, 34, 36, 37.
Also do the following.

1. Suppose that a certain annual plant carries a gene with two alleles, A and a. Of the female plants in a field, $r\%$ have genotype $AA$, $s\%$ have genotype $Aa$, and $t\%$ have genotype $aa$. They are fertilized with male pollen that is purely of type $AA$. Assume that all types reproduce at the same rate. Find an explicit formula for the percentage of each type $n$ years from now. Also find the limiting percentage as $n \to \infty$. 
