Converting Explicit to Recursive - Answer Key

1. $a_1 = 9, \quad a_n = 2a_{n-1}$
2. $a_1 = 4, \quad a_n = 3a_{n-1}$
3. $a_1 = 160, \quad a_n = \frac{1}{2}a_{n-1}$
4. $a_1 = 729, \quad a_n = \frac{1}{3}a_{n-1}$
5. $a_1 = 7, \quad a_n = -2a_{n-1}$
6. $a_1 = 96, \quad a_n = -\frac{1}{2}a_{n-1}$
7. $a_1 = 3, \quad a_n = 5a_{n-1}$
8. $a_1 = 800, \quad a_n = \frac{1}{10}a_{n-1}$
9. $a_1 = 18, \quad a_n = \frac{2}{3}a_{n-1}$
10. $a_1 = 10, \quad a_n = \frac{3}{2}a_{n-1}$
11. $a_1 = -6, \quad a_n = 4a_{n-1}$
12. $a_1 = 21, \quad a_n = -\frac{1}{3}a_{n-1}$