Converting Recursive to Explicit - Answer Key

1. $a_n = 8(2)^{n-1}$
2. $a_n = 5(3)^{n-1}$
3. $a_n = 128\left(\frac{1}{2}\right)^{n-1}$
4. $a_n = 243\left(\frac{1}{3}\right)^{n-1}$
5. $a_n = 6(-2)^{n-1}$
6. $a_n = 80\left(-\frac{1}{2}\right)^{n-1}$
7. $a_n = 4(5)^{n-1}$
8. $a_n = 1000\left(\frac{1}{10}\right)^{n-1}$
9. $a_n = 12\left(\frac{2}{3}\right)^{n-1}$
10. $a_n = 7\left(\frac{3}{2}\right)^{n-1}$
11. $a_n = -9(4)^{n-1}$
12. $a_n = 15\left(-\frac{1}{3}\right)^{n-1}$