Explicit Formulas from Tables and Terms - Answer Key

1. $r = \frac{1}{3}$; $a_n = 1458\left(\frac{1}{3}\right)^{n-1}$; $a_6 = 6$
2. $r = 4$; $a_n = 12(4)^{n-1}$; $a_5 = 3072$
3. $r = \frac{1}{2}$; $a_n = 2400\left(\frac{1}{2}\right)^{n-1}$; $a_5 = 150$
4. $r = 3$; $a_n = 7(3)^{n-1}$; $a_6 = 1701$
5. $r = 2$; $a_n = \frac{5}{4}(2)^{n-1}$
6. $r = 3$; $a_n = 4(3)^{n-1}$
7. $r = 2$; $a_n = \frac{7}{8}(2)^{n-1}$
8. $r = \frac{1}{2}$; $a_n = 640\left(\frac{1}{2}\right)^{n-1}$
9. $r = -2$; $a_n = -3(-2)^{n-1}$
10. $r = \frac{1}{2}$; $a_n = 18\left(\frac{1}{2}\right)^{n-1}$