Writing Exponential Equations from y-Intercept and Common Ratio - Answer Key

1. $y = f(x) = (3)(7)^x$
2. $y = f(x) = (-2)\left(\frac{1}{3}\right)^x$
3. $y = f(x) = (5)(2)^x$
4. $y = f(x) = (12)\left(\frac{1}{4}\right)^x$
5. $y = f(x) = \left(\frac{1}{2}\right)(4)^x$
6. $y = f(x) = (-6)(5)^x$
7. $y = f(x) = (20)\left(\frac{3}{4}\right)^x$
8. $y = f(x) = (-8)\left(\frac{2}{3}\right)^x$
9. $y = f(x) = \left(\frac{1}{4}\right)(6)^x$
10. $y = f(x) = (15)\left(\frac{1}{5}\right)^x$
11. $y = f(x) = \left(-\frac{2}{3}\right)(3)^x$
12. $y = f(x) = (9)\left(\frac{5}{2}\right)^x$