The initial amount $A = 4$, the time $t = 9$, and the half-life $h = 3$. Substitute into the formula and simplify:

$$R = 4\left(\frac{1}{2}\right)^{\frac{9}{3}} = 4\left(\frac{1}{2}\right)^{3} = 4\left(\frac{1}{8}\right) = \frac{1}{2}$$