



$$a, aq, aq^3 \Leftrightarrow A+d, A+2d, A+4d$$

$$\begin{cases} (aq) - (a) = (A+2d) - (A+d) = d \\ (aq^3) - (aq) = (A+4d) - (A+2d) = 2d \end{cases} \Rightarrow$$

$$q^3 + q = 2 \rightarrow q^3 + q + 2 = 0 \rightarrow q = 2, q = -2$$