29. Solution: B

32 is given as PV of perpetuity paying 10 at end of each 3-year period, with first payment at the end of 3 years. Thus, $32 = 10\ (v^3 + v^6 + \text{,,,,,,,}) = 10\ v^3\ (1/1 - v^3)$ (infinite geometric progression), and $v^3 = 32/42$ or $(1+i)^3 = 42/32$. Thus, i = .094879785.

X is given as the PV, at the same interest rate, of a perpetuity paying 1 at the end of each 4 months, with the first payment at the end of 4 months. Thus, $X = 1\ (v^{1/3} + v^{2/3} + \text{,,,,,,,}) = v^{1/3}\ (1/(1 - v^{1/3})) = 32.6$