1/23/20

Test 1 is Tuesday, Jan. 28.

Review

$i = i^{(2)}$? $\qquad v = adf$

2/Summer 2016) $\quad X = 100v + 300v^2 = 100v(1+3v)$

$$0.64X = 125v^4 + 375v^5$$

Then $0.64X = 125v^4(1+3v)$

$$\therefore 0.64\cancel{X} = 125v^4 \cdot \frac{\cancel{X}}{100v}$$

$$\Rightarrow 0.64 = 1.25v^3 \Rightarrow v^3 = \frac{0.64}{1.25} \Rightarrow v = \frac{4}{5}$$

$$aaf = \left(1 + \frac{i^{(2)}}{2}\right)^2 = v^{-1} = \frac{5}{4}$$

$$i^{(2)} = 23.6\%$$

5/Summer 2013) $\quad d = sedr \longleftrightarrow \delta = .05$

$aaf = e^{\delta}$

$$aaf = (1-d)^{-2} = e^{.05}$$

$$d = 1 - e^{-.025}$$