

Question #83

Key: B

$$F(0) = 0.8$$

$$F(t) = 0.8 + 0.00005(t-1000), \quad 1000 \leq t \leq 5000$$

0.75 \Rightarrow 0 found since $F(0) \geq 0.75$

0.85 \Rightarrow 2000 found since $F(2000) = 0.85$

Average of those two outcomes is 1000.