Econ Quiz 3

$$\Box a) = \left[ (\text{Price - Salv}) \left( \frac{i(1+i)^n}{(1+i)^{n}} \right) + \text{Salv}(i) \right]$$

Cost = 15,000Salv = Sooo

O

(1)

$$\left[ (15,000 - 5000) \left( \frac{0.1(1+0.1)^3}{(1+0.1)^3-1} \right) + 5000 (0.1) \right]$$

= 4521.148

D) pw= 15,000 + 15K(PIF, 10%, 3) + 15K(PIF, 10%, 6)

+15 K(P/F, 10%, 9) + 3K(P/A, 10%, 12) - SK(P/F, 10%, 3) -SK(P/F,10%, 6) -SK(P/F,10%, 9) -SK(P/F,10%, 12) 15k+ 15k(0.7513)+15k(0.5645)+15k(0.4241).

+BK(C.8137) - SK(0.7513) - SK(0.5645) - SK(0.424)

PW= 52680,8 AE = PW( A/P, 10%, 12) = 52680, 8 (1468) - 7733,5414

Ran out of time

Ran out of time would be whichever

had lower cost

[4] Ran out of time

 $AEV = \left[ Savings\left(\frac{1}{(1+i)^n}\right) \times \left(\frac{i(1+i)^n}{(1+i)^{n-1}}\right) \right] - capital$  cost

$$(10)$$
 PW-  $\sum \frac{FV}{(1+i)}n$ 

$$\frac{-2000 + 1006}{(1+.1)^{1} + 1200} + \frac{\chi}{(1+.1)^{3}} + \frac{\chi}{(1+.1)^{4}}$$

$$=0$$
 -99,173554 +  $\frac{x}{(1.1)^3}\left(1+\frac{1}{(1.1)}\right)$ 

$$(1.1)^{3} \left( \frac{99.174 + EW}{(1 + \frac{1}{(1.1)})} \right) = X$$

did not finsh, but that is how to find x