(1) PV of cirpons:  

$$= 5 \left[ \frac{1 - (1.01)^{-50}}{1.01} \right] = 195.98$$
PV of principal:  

$$= 100 \times (1.01)^{-50} = 60.80$$
Price = \$2 5(.78)

(3) FV of annuty: 
$$[4,000] (1.0033)^{120} - 1 = 2,061,497$$

FV of lump sum;  

$$1,000,000 \times (1,0033)^{120}$$
 ( $1,0033)^{120}$  ( $1,0033)^{120}$  ( $1,0033)^{120}$ 

$$P = \frac{10}{17 = 103} = [$111.11]$$

+ the value of the annually
$$= \frac{1414.1 \left( \frac{1 - (1.035)^2}{1035} \right)}{1035} = \frac{2031713}{1035}$$

$$\frac{1119.11}{(1.035)^5} \qquad p = 25,791$$

(6) Value annuty = 
$$10,000 \left( \frac{1 - (1.03)^{-25}}{1.03} \right) = 174/131$$

bring bucketo +=0: 174,131× (1.63)-20

best to use a computer to solve the following equation:

$$893.22 = \frac{30}{(1+5)'} + \frac{30}{(1+5)^2} \cdot \cdot \cdot \frac{1030}{(1+5)40}$$