



(8) 4) 300 × 08.× 3	1.10) 3) = (12)= 12 × .5%
= 72 (300+72)	1/12)= 6.0%
£ 520-372 = 148-	1.076
148=520 -5-r	i=(1+.5%)12-1
520-5 - FV	L=(1.05)12-1
	i=.06167
<u>r = 5.77.</u>	[==/ 1/2 =]
872 = × (1-y 057) = X = 894	U5: 10
394,49-372=\$22.49	$d = \frac{\xi(m)}{1 + \frac{\xi(m)}{m}} = \frac{.66}{1 + \frac{.06}{12}}$
1.9) 4) 480 +52 = 582	1+ 06
582= 480(1+1)3	d=1-[1- 0597] 12 .05809 05809
3 532 - 1 = 1	127 -7 5.804%
€= 03488	4) ([0,2] = [1+02]12 -112
Py = 1000 (1.+.3488)2	ίτο,27 = .0218 .03
	[3,4] = [1- 03]2
PV = 933,7266 To find discount, do	= .03669
Principal - PV. So,	2[5,9] = [1+ .042 (2)] = -1
1000 - 933.73	
=# 66.27	- 04115
	1-6-1
	1-9
1	1-58-1
	E ALL
	$2480(1.0218)^{3}(1.03069)^{2}(1.04115)^{4}(1.06157)^{3}$ $= 3932.32 $
7230 10	= 130- (1.04115) (1.0615.)
	13432.32

1.11) 3.) A EIR =
$$5.2\%$$
 (10000)

B EIR = $(1 + .0044)^{12} - 1$

= $(1.0044)^{12} - 1$

= 5.400%

C EIR = $6.0516 - 1$

= $.0529$

= 5.29%

- B is the best choice.

- A has the lowest annual rate

1.12) 4.) $a(t) = 6.03t + .002t^2$
 $d = a(t) = d (\ln (a(t)))$
 $\ln (a(t)) = 6.03t + .002t^2$
 $d = \ln (a(t)) = .03 + .004t$
 $d = .038$
 $d = .03 + .004(2)$

= $.038$
 $d = .03 + .004(2)$