What is the effective rate of interest for an investment at 9% compounded semi-annually?

$$\frac{1}{1} = \left(1 + \frac{1}{1}\right)^{2} - 1$$

$$= \left(1 + \frac{1}{2}\right)^{2} - 1$$

$$= 9.20\%$$

$$\frac{5}{1} = \frac{0.07}{1 + \frac{0.09}{4}} - 1$$

$$\frac{1}{1} = \frac{9.302}{1 + \frac{0.09}{4}} = \frac{4}{1 + \frac{0$$

 Find the interest and the amount in a savings account at the end of 9 months if \$304 is deposited at 3% per annum.

$$P = $304 + \frac{9}{12} (=0.08)$$

$$I = Pvt$$

$$= (304)(0.02)(12)$$

$$= $6.84$$

$$P + T$$

$$= 204 + 6.84$$

$$= 1310.84$$

七三 P=430 A= P(1+1+) A = P + Prt 450= 430+ (430)(4)(5) ##150= 430 -179.16667r -430 -430 179.1667 r V = 0.116 × 100=11.16%