(3) Ex 4:1. Problem 36
Prove Statement in false

T.P.:- There exists an integer n such that 6n2 +27 is prime.

Proof:- 6n2 + 27

=  $3(2n^2+9)$ Prime no. in only: by 1 & no. itself Thus if  $6n^2+27=3$  than only it can be prime but  $6n^2+27>3$ .

: false

© Ex. 4.2 Problem 7 Write as a ratio of integers. 3252.467216 52.467216 = 4+524 — 1) 524.67216 = 4+524  $\therefore 100001 = 6721.6721...$  100001 = 6721.6721... 100001 = 6721.000100001 = 6721.000

: 1 becomes, 71+524 = 52.467216 = 6721/9999+524 = 52.46197