3. Runtion -
$$x = 0.577$$

Putting $n = 0.577$ we get - $\frac{6n}{(1-3n^2)^2} = \frac{6(0.577)}{[1-3(0.577)^2]^2} = \frac{3.462}{(0.001213)^2} = \frac{2352910.}{793}$

i) we have to calculate to first error percentage upto 3-significant figure-

so, Answer > 3 significant figure = 2350000

Now, Percentage true error

$$=(2352910.793-2350000)$$
 $\times 100$ (2352910.793)

= 0.123%

ii) we have to calculate to error berientage eights

4 - significant figure -

So, Answer > 4 significant figure = 2352000

Nows

Percentage true error

$$= (2352910.793 - 2352000) \times 100$$

$$= (2352910.793$$