





$$C) i) = \frac{-2}{2} m$$

$$\chi = 1 - \frac{4}{9+2}$$

$$++2=\frac{1-4}{x}$$

$$+ = * \frac{-3}{x} - \frac{3}{x}$$



(0) limiting sum of a geometric series = 1 a
iv) limiting sum of a geometric series = ## a in ting velocity = 1-3
= 1/2
is the limiting velocity = = as + > 00