

QUERTIONS

(i) limiting sum since 0 < r < 1

a (r is a fraction)

(ii) S=1-r r= 15-2

 $S = \frac{1}{1 + (15-2)} \sqrt{5} + 2 \sqrt{5} +$

V=28 (1-60)

(i) when t=0 V=25 (ii) when $V=\frac{25}{4}$

 $\frac{25}{10} = 25(1-\frac{1}{60})^2$

25 = 25/1 = 5 (1-60)

5 - 5 - 60 4 3 4 = 60

225 = 5t is t = 45 seconds



