A sequence is generated by the recurrence relation $u_{n+1} = \frac{2}{3}u_n + 8$, $u_7 = 20$.

(a) Determine the value of u_5.　　　　　　2

This sequence approaches a limit as $n \to \infty$.

(b) Determine the limit of this sequence.　　　　　　2

Answers:

(a)　15

(b)　24