Solution exercice 38

On a
$$\lim_{t \to 0} \left(\frac{5}{6}\right)^n = 0$$
 on $-1 < \frac{5}{6} < 1$

Jone du $\coprod_{t \to 0} \coprod_{t \to 0} 1 = \lim_{t \to 0} 3 - 2\left(\frac{5}{6}\right)^n = 3$

$$\Rightarrow$$
 $-2\left(\frac{5}{6}\right)^n > -1$

$$\Rightarrow \left(\frac{5}{7}\right)^n < \frac{1}{2}$$

$$\Rightarrow n > \frac{\ln(1/2)}{\ln(5/6)}$$