1- a) $Y_t = (\frac{1}{5})^t . y_0$ b) $Y_t = (2)^t . y_0 - 4$ c) $Y_t = (2)^t y_0 + (-3-3t)$

d) $Y_t = (-2)^t y_0 + (-\frac{1}{9} + \frac{1}{3}t)$ e) $Y_t = (-5)^t y_0 + (\frac{1}{9} + \frac{1}{3}t)$ f) $Y_t = (-5)^t y_0 + (\frac{11}{18} + \frac{1}{3}t)$

2- Soluciones Generales:

a) $Y_t = (3)^t . y_0 + \frac{1}{2}$ b) $Y_t = (-\frac{1}{2})^t . y_0 - \frac{2}{3}$ c) $Y_t = (\frac{3}{8})^t . y_0 + \frac{1}{10}$

d) $Y_t = (-\frac{2}{7})^t . y_0 + \frac{7}{9}$ e) $Y_t = (3)^t . y_0 + 1$

3- a) $Y_t = C_1 . 3^t + C_2 . 2^t$ b) $Y_t = C_1 + C_2 . (-1)t$ c) $Y_t = C_1 . (\frac{4+\sqrt{12}}{2})^t + C_2 . (\frac{4-\sqrt{12}}{2})^t$

d) $Y_t = C_1 + C_2 . t + \frac{5}{2}t^2$ e) $Y_t = C_1 . 3^t + C_2 . 2^t + 5$ f) $Y_t = C_1 + C_2 . t + \frac{4}{3}t^2 + \frac{11}{9}t^3$

g) $Y_t = C_1 + C_2 . (-1)^t + \frac{4}{3}t - \frac{1}{2}t^2 + \frac{1}{6}t^3$ h) $Y_t = 6^t y_0 - \frac{5}{8}2^t$