Corrigé du Partiel du 2/ Nov. 2012 M1-8iTM

Exercice 1

1)
$$E(x) = 0$$
 $\int_{0}^{\infty} e^{-\Theta x} dx = 0$ $\int_{0}^{\infty} e^{-\Theta x} dx$

$$= \begin{bmatrix} -\frac{1}{9}e^{\Theta x} \end{bmatrix}_{0}^{\infty} = \frac{1}{9}$$

2) $X_{n} = 0^{-1} = 0$ $\int_{0}^{\infty} e^{-\frac{1}{9}x} dx = 0$ $\int_{0}^{\infty} e^{-\frac{$

=> /2 = n /n (1-7n) estim sans trais