Problema 15

a)
$$P(X > 2000) = \frac{1}{3000 - 1800} dx$$

$$= \frac{1}{1200} (3000 - 2000) = \frac{1000}{1200} = \frac{5}{6}$$

$$= 0'83$$

Observació:

$$f(x) = \frac{1}{b-a} \qquad \prod_{(a,b)} (x)$$

$$F(x) = \frac{1}{b-a}$$

$$X = a$$

$$F(x) = P(X = x) = \begin{cases} 0 \\ x \\ -a \end{cases}$$

$$\int_{a}^{x} \frac{1}{b-a} = \frac{x-a}{b-a}$$

$$1 \times 3b$$

$$P(X > 2000) = 1 - P(X \le 2000)$$

= $1 - F(2000) = 1$

$$\frac{1000}{1200} \qquad \qquad \frac{1}{3000 - 1800} = 1 - \frac{200}{1200}$$

$$E(X) = \begin{cases} 3000 \\ -\frac{1}{1200} \\ -\frac{1}{1200} \\ -\frac{1}{1200} \\ -\frac{1}{2} \\ -\frac{1}{$$

Vor(X) = 120000