极适B.

3. A.
$$F_{|x|} = \frac{1}{|+x^{2}|} F_{|+w|} = 0 \neq 1 \quad x$$

B. $F_{|x|} = \int \frac{1}{2}(1-e^{-x}) \quad x > 0$
 $F_{|+w|} = \frac{1}{2} \neq 1 \quad x$

C.
$$F_{1X1} = \begin{cases} \frac{x+1}{x+2} & x>0 \\ -\frac{1}{x-1} & x \in 0 \end{cases}$$
 $F_{10}^{+} = \frac{1}{x^{2}} + F_{10}^{-} = 1$

极色的.

y.
$$p\{x+Y \in \frac{1}{3}\} = p\{x=0,Y \subseteq \frac{1}{3}\} + p\{x=1,Y \subseteq -\frac{2}{3}\}$$

= $p\{x=0\}p\{Y \subseteq \frac{1}{3}\} + p\{x=1\}p\{Y \subseteq -\frac{2}{3}\}$ deli@n

$$Cov(\alpha x + \alpha f, X) = \alpha Cov(x, X) + \alpha Cov(x, Y)$$

= $\alpha \cdot [+ \alpha \cdot \rho \cdot \sqrt{D(x)} \sqrt{\alpha f}]$
= $\alpha \cdot [+ \alpha \cdot (-\frac{1}{2}) \cdot 1 \cdot 2 = 0$

Myrix. A.C.

7.
$$E(S^2) = \sigma^2$$
 $E(\overline{X}) = 0$ $E(\overline{X}) = D(\overline{X})$

$$= \frac{1}{W}\sigma^2 - \frac{1}{W} \frac{\partial e_{ii}}{\partial x}$$

Oeli得力

A.
$$E(n\bar{x}^2 + S^2) = n \cdot n'\sigma^2 + \sigma^2 = 2\sigma^2$$

B. $E(\pm (n\bar{x}^2 + S^2)) = \sigma^2$

J. $A \cdot (\pm 1) \cdot (\pm 1$

$$A = AB + AB$$

$$D = \overline{AB} + \overline{AB}$$

$$D = \overline$$

$$\frac{1}{2} = \int_{\frac{\pi}{2}}^{2} \frac{1}{2} \cos \frac{\pi}{2} dx = \sin \frac{\pi}{2} = 1 - \frac{1}{2} = \frac{1}{2}$$