$$X(e^{jw}) = \sum_{n=0}^{\infty} (\frac{1}{7})^{n-1} u(n) = \sum_{n=0}^{\infty} x[n] e^{jwn}$$

$$X(e^{jw}) = \sum_{n=0}^{\infty} (\frac{1}{7})^{n-1} u(n) = \sum_{n=0}^{\infty} (\frac{1}{7})^{n-1} e^{-jwn} = \sum_{n=0}^{\infty}$$

$$X(e^{jw}) = \sum_{h=10}^{\infty} {\binom{1}{h}}^{|m-1|} - j^{|m|} e^{-jwh} = \sum_{h=10}^{\infty} {\binom{1}{h}}^{-jwh} - \sum_{h=10}^{\infty} {\binom{1}{h}}^{-jwh} \sum_{h=10}^{\infty} {\binom{1}{h}}^{-jwh$$

$$\chi(e^{j\omega})$$
 = $\sum_{n=-\infty}^{\infty} (\frac{1}{r})^n \omega(n-1) e^{-j\omega n} = \sum_{n=-\infty}^{\infty} (\frac{1}{r})^n e^{-j\omega n} = \sum_{n=-\infty}^{\infty} (\frac{1}{r})^n e^{-j\omega n}$

$$X(e^{j\omega}) = \sum_{n=0}^{\infty} \left[\sin\left[\frac{\pi}{r}n\right] + \cos\left[n\right] \right] e^{j\omega n} = \sum_{n=0}^{\infty} \left(\frac{e^{r} - e^{r}}{r^{j}} + \frac{e^{jn}}{r^{j}} + \frac{jn}{r} \right) e^{j\omega n}$$

+

$$\frac{\chi(n)}{y(n)} = \frac{\chi(n)}{y(n)} = \frac{\chi(n)}{y(n)} = \frac{\chi(n)}{y(n)} = \frac{\chi(n)}{y(n)} + \frac{\chi(n)}{y(n)} = \frac{\chi(n)}{y(n$$

$$J(n)_{+} = \frac{1}{2}J(n-1) \cdot \pi(n)_{-} = \frac{1}{1+\frac{1}{2}e^{jw}}$$

$$J(e^{jw})_{-} = \frac{1}{1$$