

$$x[n] = 0 \ 3 \ 0 \ 0 \ 4 \ 0 \ -7 \ 1 \ 0$$

$$x^*[n] = 00 \ 30 \ 00 \ 00 \ 40 \ 00 \ -70 \ 10 \ 00$$

(required or explained in writing)

ZOH

$$H[n] = 1 \ 1$$

$$Y[n] = H[n] \otimes x^*[n]$$

OPERAND IS CRITICAL !!

SINC

$$H[n] = \frac{\sin\left(\frac{\pi n}{2}\right)}{\left(\frac{\pi n}{2}\right)}$$

or

$$\text{sinc}\left(\frac{n}{2}\right)$$

$$Y[n] \otimes x^*[n]$$

