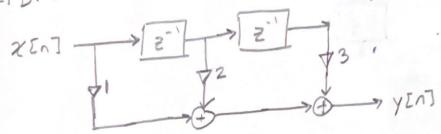
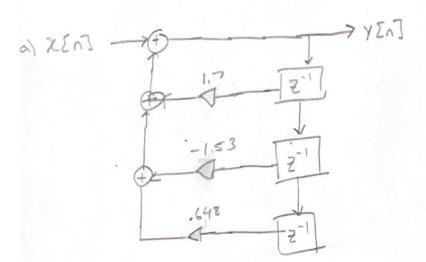
DSP HU#8

1)
$$y[n] = \chi[n] + 2\chi[n-1] + 3\chi[n-2]$$
 $H(z) = \frac{Y(z)}{Y(z)} = 1 + 2z^{-1} + 3z^{-2}$



2)
$$H(2) = \frac{1}{1 - 1.72^{-1} + 1.532^{-2} - 16482^{-2}}$$



3)
$$H(2) = \frac{1 - 3z^{-1} + 3z^{-2} + z^{-3}}{1 + .2z^{-1} - .14z^{-2} + .44z^{-3}}$$

