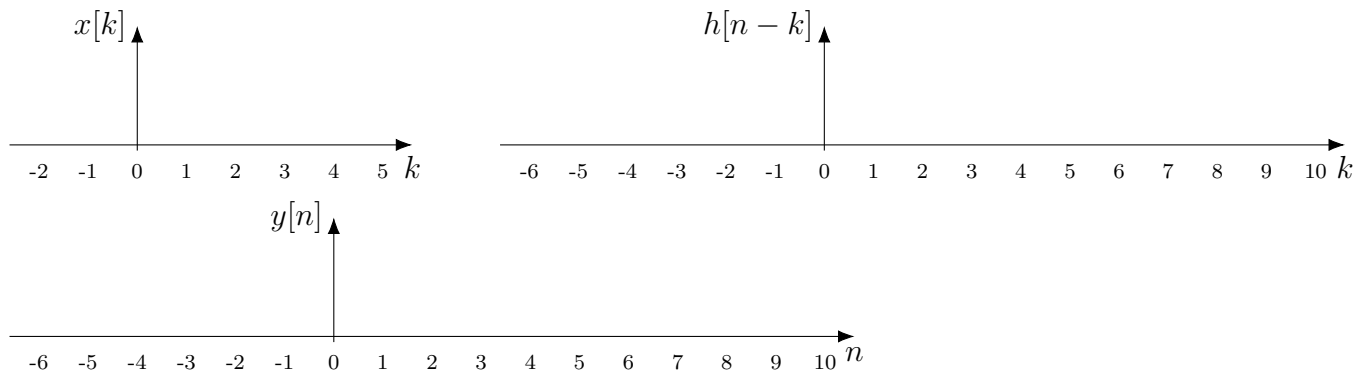


NAME: \_\_\_\_\_

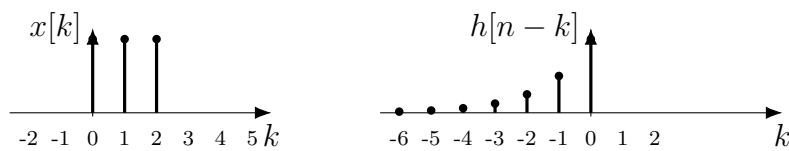
EE 102: In-class activity

## Visualize convolution

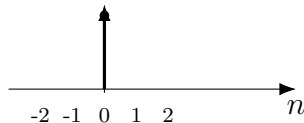
Graphically solve for  $n = -1$



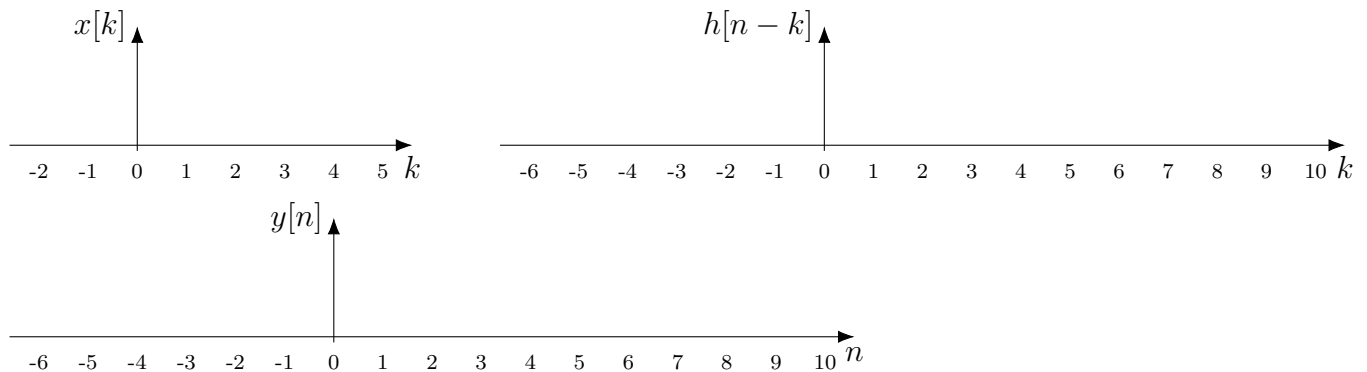
(Solved) Graphically show for  $n = 0$



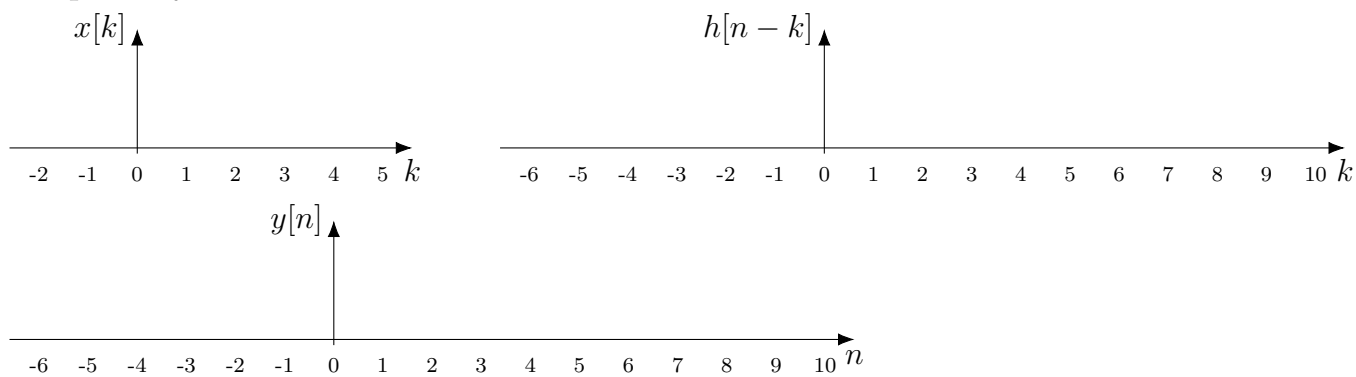
$$y[0] = \sum_k x[k] h[0-k] = x[0] h[0] + x[1] h[-1] + x[2] h[-2] = 1 + 0 + 0 = 1.$$



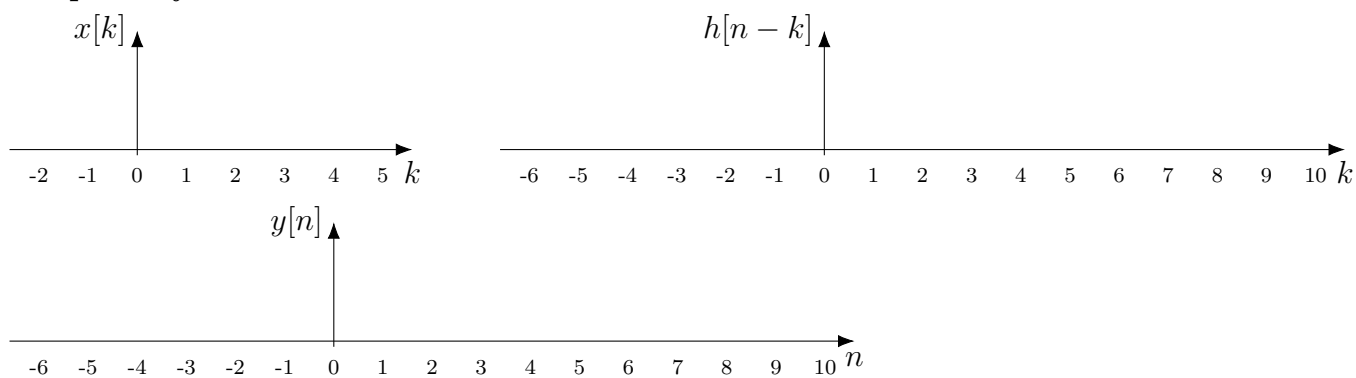
Graphically solve for  $n = 1$



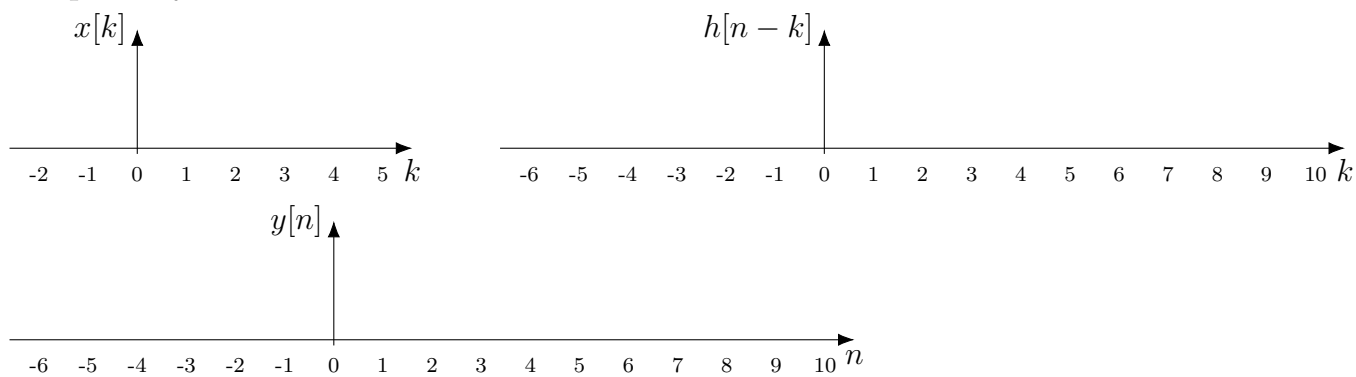
Graphically solve for  $n = 2$



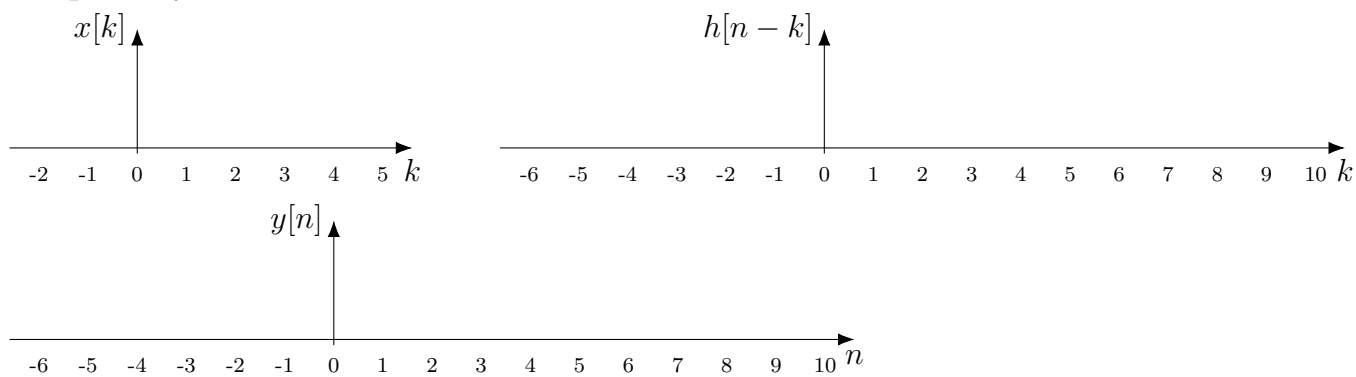
Graphically solve for  $n = 3$



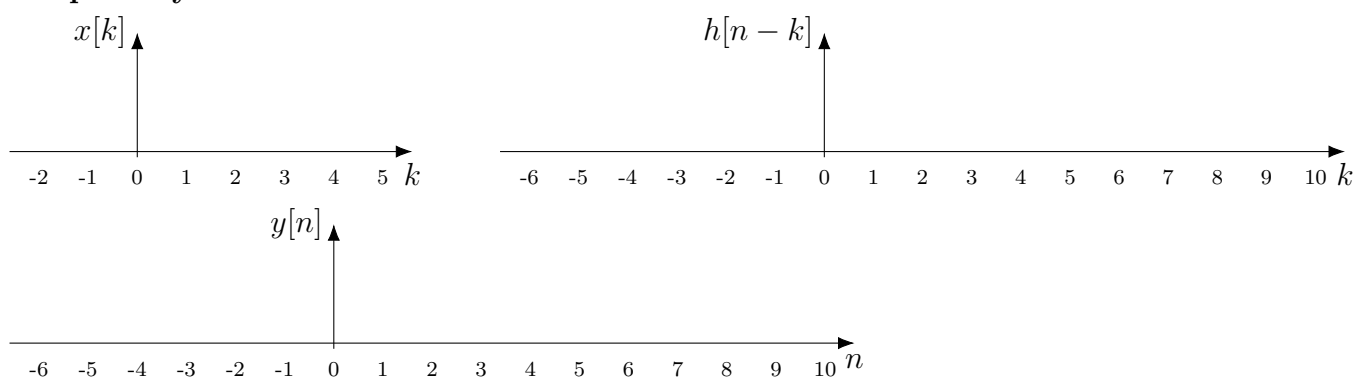
Graphically solve for  $n = 4$



Graphically solve for  $n = 5$



Graphically solve for  $n = 6$



Graphically solve for  $n = 7$

