Problem 1:
Given the discrete signal $x[n]$:

$x[n < 0] = 0$
$x[0] = 1$
$x[1] = 2$
$x[2] = 1$
$x[n > 2] = 0$

And a system's impulse response of $h[n]$:

$h[n < -2] = 0$
$h[-2] = 1$
$h[-1] = 2$
$h[0] = 1$
$h[1] = 2$
$h[2] = 1$
$h[n > 2] = 0$

a) Is this system causal? Why?
b) Calculate $y[n] = x[n] \ast h[n]$ {Show each summation step graphically}

Book Problems:
2-6, 2-7, 2-13, 2-16abc, 2-17bce, 2-35, 2-36, 2-37

Computer Problems:
2-1, 2-5