ECE 113 HW 2

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Problem 1

We have that

$$h[-n] = \{4, -6, 5 - 3\}, -1 \le n \le 2$$

Thus

$$h[-n-1]=\{4,-6,5-3\}, -2 \leq n \leq 1$$

So
$$y[-1] = -12 - 15 - 12 = \boxed{-39}$$

Problem 2

(a)

$$x_1[n] * x_2[n] = \{1, -2, 3, -2, 1\}, -2 \le n \le 2$$

(b)