Homework Week 4: Due Thursday 4/28

- page $112 - 113$ #$1, 3, 4$

- page $117 - 118$ #$2, 3, 4$

- page $122 - 124$ #$1, 3$

- Solve the following nonhomogeneous recurrence relation:

$$\begin{aligned} h_n &= 4h_{n-1} + 3 \cdot 2^n, (n \geq 1) \\ h_0 &= 1 \end{aligned}$$