

**EXERCISE 10.7:** For the system function  $H(z)$  of the following IIR system

$$y[n] = 0.5y[n - 1] - x[n] + 3x[n - 1]$$

determine the locations of the poles and zeros.

---

McClellan, Schafer, and Yoder, *DSP First, 2e*, ISBN 0-13-065562-7.

Prentice Hall, Upper Saddle River, NJ 07458. ©2016 Pearson Education, Inc.

