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**EXERCISE 10.6:** Verify that the poles and zeros of the following  $z$ -transform system function are located at  $z = -0.5$  and  $z = -4/3$ :

$$H(z) = \frac{3 + 4z^{-1}}{1 + 0.5z^{-1}}$$

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McClellan, Schafer, and Yoder, *DSP First, 2e*, ISBN 0-13-065562-7.  
Prentice Hall, Upper Saddle River, NJ 07458. ©2016 Pearson Education, Inc.

