Name Period

Lesson 4.1

 In Exercises 1–8, decide whether the function is a polynomial function. If so, write it in standard form and state its degree, type, and leading coefficient.

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**In Exercises 9 and 12, describe the end behavior of the graph of the function.**

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2. 
3. 
4. 

In Exercises 14 and 15, describe the *x*-values for which *f* is increasing, decreasing, positive, and negative.

13. 14.