

For each graph:

- a. describe the end behaviors
- b. determine whether it represents an odd-degree or an even degree function, and
- c. state the number of real zeros

35. a. b. c.	36. a. b. c.	37. a. b. c.
38. a. b. c.	39. a. b. c.	40. a. b. c.

47.	48.
49.	50.

51.	53.
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State the degree and leading coefficient of the polynomial in one variable. If not a polynomial of one variable explain why.

1. $-3x^2 + 5x^3 + 7$	2. $\frac{3}{x} + 2x - 4x^2$	3. $-x^3y^2 + 4x^4 + 5y$	4. $-5y^2 + 4y^6 + 5y - 3$
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Using the functions $p(x) = 4x^2 - 3$ and $r(x) = 1 + 3x$, find:

5. $5p(x + 2)$	6. $4p(2a) + 6r(a - 4)$
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