

Example 4:

- Use the Leading Coefficient Test to determine the graph's end behavior.
- Find the x-intercepts. State whether the graph crosses the x-axis, or touches the x-axis and turns around, at each intercept.
- Find the y-intercept.
- Determine whether the graph has y-axis symmetry, origin symmetry, or neither.
- If necessary, find a few additional points and graph the function. Use the maximum number of turning points to check whether it is drawn correctly.

