Math 4 Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**1-1 Practice** Date\_\_\_\_\_\_\_\_

1. ![[image]]()On the axis below, draw an example of an even degree polynomial, with a negative leading coefficient that has four real roots and a positive *y*-intercept.
2. ![[image]]()Consider the graph of the function below.

What are some characteristics of the function?

(Degree, zeros, leading coefficient, *y*-intercept,

possible equation)

![[image]]()3. Graph *y* = (*x* – 2)(*x* + 1)(*x* + 3)(*x* – 1) on the axis below (without your calculator).

![[image]]()4. Find the equation for the graph below.

