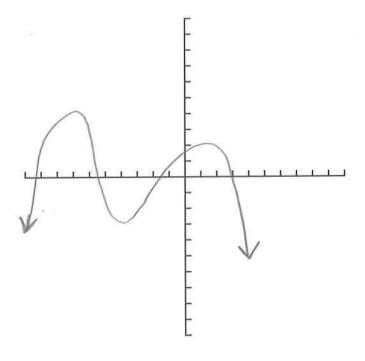


Math 4
1-1 Practice

Name	
	Date

1. On the axis below, draw an example of an even degree polynomial, with a negative leading coefficient have four real roots and a positive *y*-intercept.



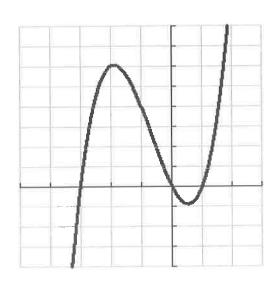
Consider the graph of the function below.
 What are some characteristics of the function?
 (Degree, zeros, leading coefficient, y-intercept, possible equation)

Degree: Odd, >1

Fenes: Real > X=3, X=0, X=1

lead coeff: Positive

Y-int: (0,0)

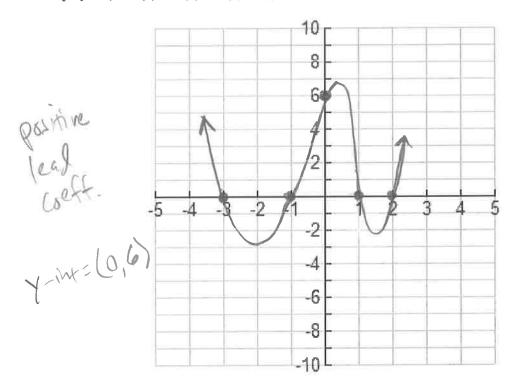


equation:

f(x)= kx(x+3)(x-1)

Can Calculate k by plugging in a point (not one of the zeroes) for x = f(x)

3. Graph y = (x-2)(x+1)(x+3)(x-1) on the axis below (without your calculator).



4. Find the equation for the graph below.

Penal =
$$\frac{2\pi}{6}$$

 $f(x) = a sih bx + C$

