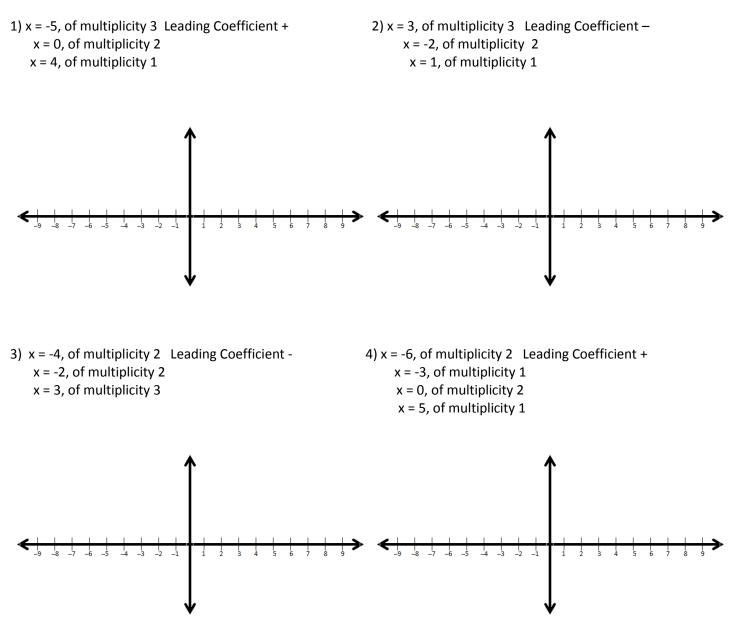
_____ Period: _____ Date: _____

Sketch a graph of a polynomial with the given zeroes and corresponding multiplicities.



5) Find a polynomial of degree three with the given $f(x) = ax^3 + bx^2 + cx + d$

given: x = -3, x = 2, x = 3

Name:

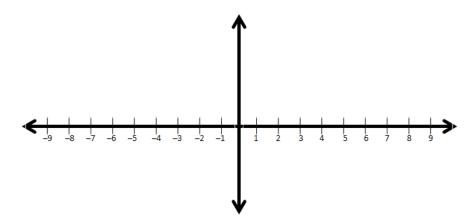
6) Find a polynomial (factored form) of degree 3 that fits the table of data f(x) =

х	f(x)
-4	0
-3	12
-2	10
-1	0
0	-12
1	-20
2	-18
3	0
4	40

Check your answer with the point (4, 40)

What is the y-intercept?

Sketch the graph



How did you determine the end behavior of the graph?