Name:	

Date:		
Date.	 	

2.

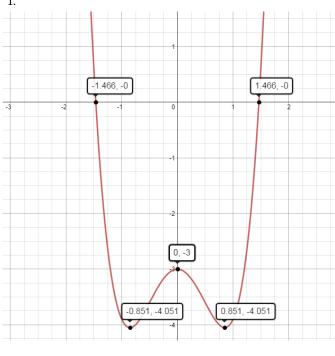
Identifying Features of Polynomials

Directions: Using the graphs below, highlight/circle the following features using the color it says:

- Interval(s) of Increase Red
- Interval(s) of Decrease Blue
- Max Green
- Zeros Yellow
- Min Orange

Then answer the questions that follow.

1.



a) How many roots does this polynomial have?

turning points
b) How many vertices does this polynomial have?

c) What is the degree of this polynomial?

d) What is the name of this polynomial?

e) As x decreases, $f(x) \rightarrow$ _____

As x increases, $f(x) \rightarrow$ _____

a) How many reets does this polynomial have?

-3.391, -21.85

turning points

b) How many vertices does this polynomial have?

e) As x decreases, $f(x) \rightarrow$ _____

2.176, 13.21

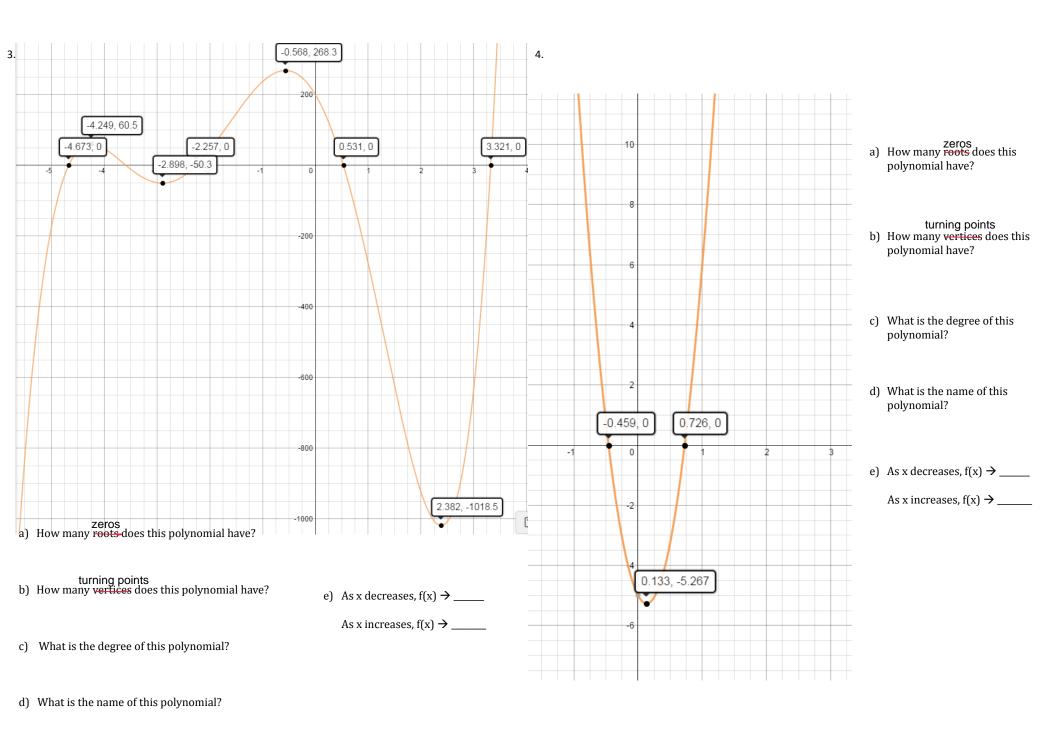
0.088, -4.06

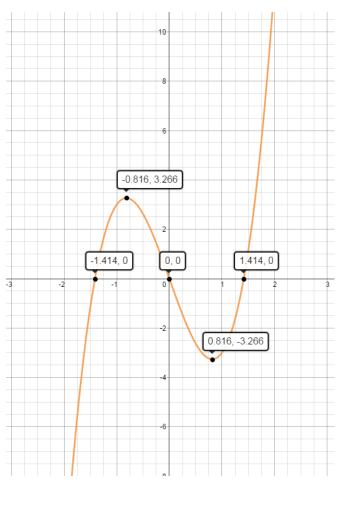
3.069, 0

As x increases, $f(x) \rightarrow$ _____

c) What is the degree of this polynomial?

d) What is the name of this polynomial?





a) How many roots does this polynomial have?

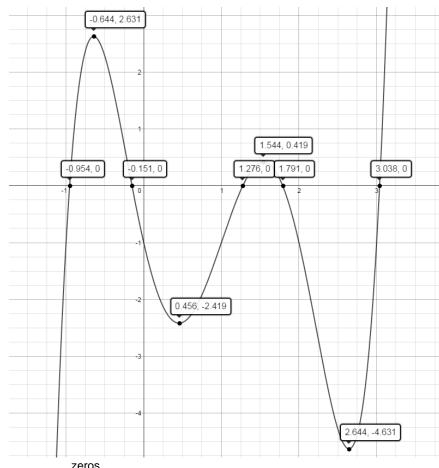
turning points
b) How many vertices does this polynomial have?

c) What is the degree of this polynomial?

d) What is the name of this polynomial?

e) As x decreases, $f(x) \rightarrow$ _____

As x increases, $f(x) \rightarrow$ _____



a) How many roots does this polynomial have?

turning points
b) How many vertices does this polynomial have?

e) As x decreases, $f(x) \rightarrow$ _____

As x increases, $f(x) \rightarrow$ _____

c) What is the degree of this polynomial?

d) What is the name of this polynomial?