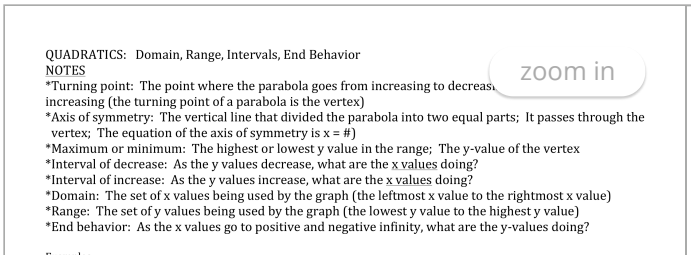
Monday October 19 Notes

Due No Due Date **Points** 0 **Submitting** an external tool

Quadratic Function Notes: Intervals, Domain, Range, etc

by Mrs. Baker Live Session 24 Questions 18/24 pts

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○



QUADRATICS: Domain, Range, Intervals, End Behavior
NOTES
*Turning point: The point where the parabola goes from increasing to decreas
increasing (the turning point of a parabola is the vertex)
*Axis of symmetry: The vertical line that divided the parabola into two equal parts; It passes through the vertex; The equation of the axis of symmetry is x = #)
*Maximum or minimum: The highest or lowest y value in the range; The y-value of the vertex
*Interval of decrease: As the y values decrease, what are the x values doing?
*Interval of increase: As the y values increase, what are the x values doing?
*Domain: The set of x values being used by the graph (the leftmost x value to the rightmost x value)
*Range: The set of y values being used by the graph (the lowest y value to the highest y value)
*End behavior: As the x values go to positive and negative infinity, what are the y-values doing?

zoom in

1

1/1

$(-2,-5)$