Grade 11th

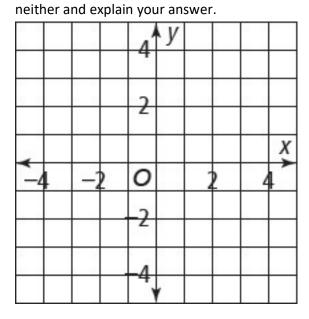


Student's Name: _____

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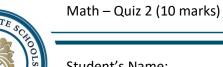
22nd September, 2025

Q1) Sketch the graph of y=|x|. State its domain, range, and whether it is even, odd, or



Q2) Compare the graphs of $y=x^2$ and $y=(x-2)^2$

Q3) Two Examples of the twelve basic functions that are bounded, one above and the other one below? Give reasoning?



State the points of discontinuity.

Q4) State the end behavior of the cubic function and the reciprocal function?



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Q5) Give an example of a function from the twelve basic functions that is discontinuous.

Q6) Describe the <u>horizontal and vertical asymptotes</u> of $f(x) = e^x$