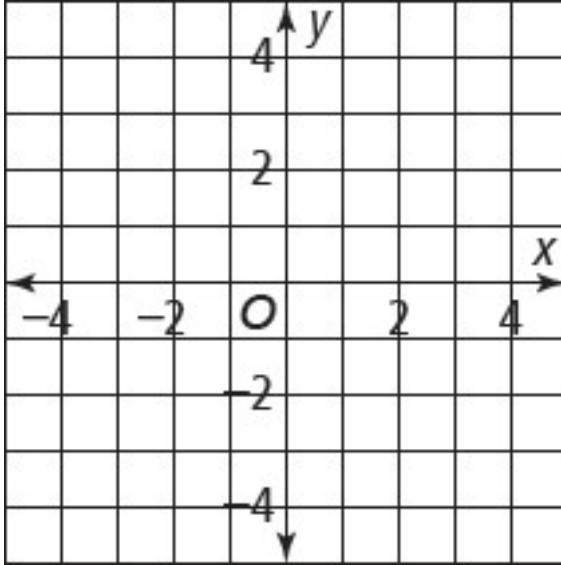


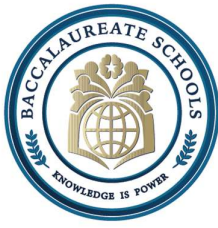


Q1) Sketch the graph of $y=|x|$. State its domain, range, and whether it is even, odd, or neither and explain your answer.



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 ?



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

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

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