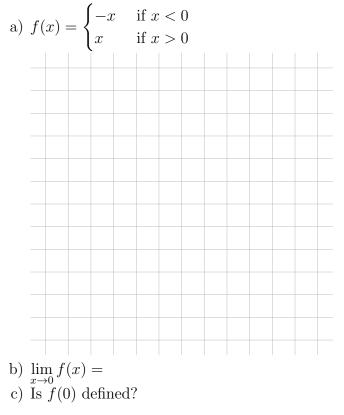
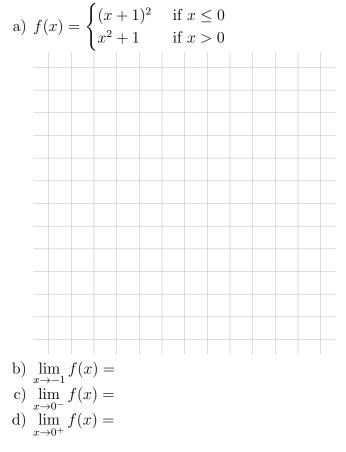
GRAPHS AND LIMITS

1. Sketch a graph of the function, then use the graph to help find the limits.

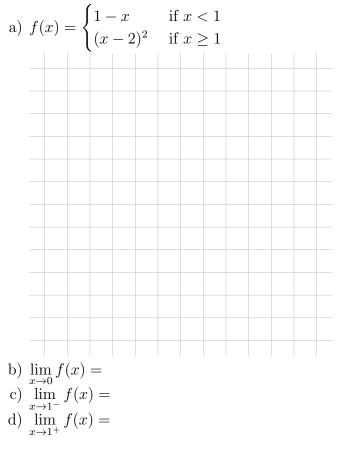


2. Sketch a graph of the function, then use the graph to answer questions about the limits of the function.



Date: September 1, 2022.

3. Sketch a graph of the function, then use the graph to answer questions about the limits of the function.



4. The altitude of a model rocket (in meters) t seconds after launch is given by

$$h(t) = \begin{cases} 40t^2 & \text{if } t \le 2\\ 160 + 160(t-2) - 4(t-2)^2 & \text{if } t > 2 \end{cases}$$

- a) Why do you think this is a piecewise function?
- b) Sketch a graph of the rocket's height for $t \ge 0$.

