

3-1 Power and Radical Functions – A Exercises 1–29

Graph each function and describe its domain, range, intervals of increase and decrease, continuity, and whether the function is increasing or decreasing.

19. Evaluate the function for several values of x to sketch.

x	0	1	2	3	4	5	6
$f(x)$	1	2	3	4	5	6	7

Use this graph to complete a graph.



The function is continuous and is strictly increasing on the interval $[0, 6]$. The x -intercept is $(-1, 0)$ and the y -intercept is $(0, 1)$. The function is continuous for all real numbers, increasing on $(-1, 6)$ and decreasing on $(6, 6)$.

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