

Recursive Functions Worksheet

Created by Sam Craig for the West Lafayette High School ACSL Club of
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Recursive functions below are defined as they would be in mathematics. For example, $f(x) = x + 5$ is an example of a function definition. An example of a definition of a recursive function is

$$f(x) = \begin{cases} f(f(x-2)) + 1 & \text{when } x > 1 \\ 2 & \text{when } x = 1 \\ 1 & \text{when } x = 0 \end{cases}$$