

Piecewise – Back to Our Utility Bills

A piecewise function is a function where more than one formula is used to describe the output over different parts of the domain.

$$f(x) = \begin{cases} x + 2, & 0 \leq x < 4 \\ 2x - 2 & 4 \leq x < 8 \\ x + 6 & x \geq 8 \end{cases}$$

Graphing Piecewise Functions

1. Identify the intervals for each rule
2. Identify the formulas for each interval
3. Calculate the outputs from each input in the formula
4. Graph

