

How would you define the function for “and”?

How would you define the function that takes two real numbers and returns their average?

What are the domain, co-domain, and range for:

- $f : \mathbb{Z} \rightarrow \mathbb{Z}$, where $f(x) = 2x$?

- $g : \mathbb{R} \rightarrow \mathbb{R}$, where $g(x) = \frac{1}{x}$?