



Practice quiz on Types of Functions

Teste para praticar • 20 min



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aprovado!**

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Practice quiz on Types of Functions

NÚMERO TOTAL DE PONTOS 6

1. Suppose that $A = \{1, 2, 10\}$ and $B = \{4, 8, 40\}$. Which of the following formulae do **not** define a function $f : A \rightarrow B$?

1 / 1 ponto

- ☐ $f(1) = 4, f(2) = 40$, and $f(10) = 8$.
- ☒ $f(1) = 5, f(2) = 8$, and $f(10) = 40$.
- ☐ $f(1) = 4, f(2) = 4$, and $f(10) = 4$.
- ☐ $f(a) = 4a$, for each $a \in A$

**Correto**

A function $f : A \rightarrow B$ is a rule which assigns an element $f(a) \in B$ to each $a \in A$. In this case, unfortunately, $f(1) = 5 \notin B$.

2. Suppose that A contains every person in the VBS study (see the second video in the course if you're confused here!). Suppose that $Y = \{+, -\}$ and $Z = \{H, S\}$

0 / 1 ponto

Suppose that $T : A \rightarrow Y$ is the function which gives $T(a) = +$ if person a tests positive and $T(a) = -$ if they test negative.

Suppose that $D : A \rightarrow Z$ is the function which gives $D(a) = H$ if the person actually has VBS and $D(a) = S$ if the person actually has not VBS.