Exercise 1 *Equality and Polymorphism*

Write a function `threeEqual` taking three arguments of the same, arbitrary type, which returns `True` if and only if all of them are equal.

What is the most general type signature of this function?

Examples:

`threeEqual 1 1 1 == True`

`threeEqual True False False == False`

Exercise 2 *Polymorphic Types*

1. Which of the following type signatures are equivalent?

   (i) `a -> b -> a`

   (ii) `c -> a -> c`

   (iii) `a -> a -> a`

2. Write two different functions `foo` and `bar` of type `a -> a -> a`. Here, different means that for some input values `x` and `y`, the result of `foo x y` is different from the result of `bar x y`.