CIS 252: Weekly Exercise 2 - Types (Worth 2 points - (1 if you deliver it, another one if you get all of it correct)

Name: _____

Suppose we introduce Haskell functions with the following types:

```
alpha   :: Float -> Bool
beta  :: Integer -> Bool -> Integer
gamma :: Integer -> Integer -> Float
```

For each of the following expressions, determine whether it's **well typed**:

- If it is well typed, give its type.
- If it is not well typed (i.e., would produce a type error), briefly explain the cause of the type error. (If there are multiple causes of a type error, it suffices to identify just one.)

1. `beta 81 76`

2. `gamma 37 25`

3. `alpha 777`

4. `alpha (gamma 49 600)`

5. `beta 100 (alpha 2.3) 98`

6. `alpha (beta 49 500)`

7. `gamma (beta 19 (alpha 6.08)) 723`