# Contracts, Examples & Definitions

Referenced from lesson [Defining Functions](https://www.bootstrapworld.org/materials/spring2021/en-us/courses/data-science/lessons/defining-functions/index.shtml) (Spring, 2021)

## **gt**

**Directions**: Define a function called gt, which makes solid green triangles of whatever size we want.

| **Contract and Purpose Statement** |  |
| --- | --- |

*Every contract has three parts…​*

gt::Number->Image

Consumes a size, and produces a solid green triangle of that size.

| **Examples** |  |
| --- | --- |

*Write some examples, then circle and label what changes…​*

examples:

\_\_\_\_gt (10)\_\_\_\_ is triangle(10, "solid", "green")

\_\_\_\_gt (20)\_\_\_\_ is triangle(20, "solid", "green")

end

| **Definition** |  |
| --- | --- |

*Write the definition, giving variable names to all your input values…​*

fun gt(size):

\_\_\_\_triangle(size, "solid", "green")

end

## **bc**

**Directions**: Define a function called bc, which makes solid blue circles of whatever radius we want.

| **Contract and Purpose Statement** |  |
| --- | --- |

*Every contract has three parts…​*

\_\_\_\_::\_\_\_\_\_\_\_\_\_\_\_\_->\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

| **Examples** |  |
| --- | --- |

*Write some examples, then circle and label what changes…​*

examples:

\_\_\_\_\_\_\_\_ (\_\_\_\_)\_\_\_\_ is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_ (\_\_\_\_)\_\_\_\_ is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

end

| **Definition** |  |
| --- | --- |

*Write the definition, giving variable names to all your input values…​*

fun \_\_\_\_(\_\_\_\_\_\_\_\_\_\_\_\_):

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

end

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