# Design Recipe Worksheet

Purpose of Temp-F(C): To take a temperature in Celsius, and Convert it to the Fahrenheit scale.

## Contract+Purpose Statement

Every contract has three parts:

# \_\_**Temp-F**\_\_\_\_\_\_\_\_\_\_ : \_\_\_\_\_\_\_\_**NUMBER**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ → \_\_\_**NUMBER**\_\_\_\_\_\_\_\_\_\_\_\_

name Domain Range

# \_**”Consumes” a number for Celsius temperature and “Produces” a number for the**

**Fahrenheit temperature.**\_\_\_\_\_\_\_\_\_\_\_

What does the function do?

## Give Examples

Write examples of your function in action

examples:

\_\_\_\_\_\_\_Temp-F\_\_\_(\_\_\_\_20\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)

the function application…

is \_\_\_\_\_ (1.8 \* 20 ) + 32 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

...which evaluates to

\_\_\_\_\_\_\_\_Temp-F \_\_(\_\_\_\_\_100\_\_\_\_\_\_\_\_\_\_\_\_\_\_)

the function application…

is \_\_\_\_\_ (1.8 \* 100 ) + 32 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

...which evaluates to

end

## Function

Find the changes in the examples, and name the variables.

Write the code, copying everything that isn't circled, and using names where you find variables!

fun Temp-F(C) :

\_\_\_\_\_\_\_( 1.8 \* C ) + 32 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

end