

Check for Mistakes in this Word Problem: flower-name

Directions: You are putting together a list of flowers in your garden based on their color. You have red roses, purple tulips, and yellow daisies. Write a function that takes in the color of a flower and returns the name of the flower.

Contract and Purpose Statement

Every contract has three parts ...

```
; flower-name : string → string
  function name   domain      range
; Takes the name of the flower and returns its color
  what does the function do?
```

Examples

Write some examples, then circle and label what changes ...

```
(EXAMPLE( flower-name "red" ) "rose" )
  function name   input(s)      what the function produces
(EXAMPLE( flower-name "tulip" ) "purple" )
  function name   input(s)      what the function produces
(EXAMPLE( flower-name "yellow" ) "daisy" )
  function name   input(s)      what the function produces
```

Definition

Write the definition, giving variable names to all your input values ...

```
(define( flower-name color )
  function name   variables
  (cond
    [(string=? color "red") "rose" ]
    [(string=? color "purple") "tulip" ]
    [(string=? color "yellow") "daisy" ]
    [else
     "That flower isn't in the garden!" ]))
```