Check for Mistakes in this Word Problem: circle-area

Directions: Write a function that returns the area of a circle given its diameter.

Contract and Purpose Statement
Every contract has three parts...

;  circle-area  :  number  →  number
  
  ;  Takes the diameter of a circle and calculates the area by multiplying
    what does the function do?

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

(EXAMPLE(  circle-area  10  )  (*  (sqr  (/ 10 2))  pi)  )

(EXAMPLE(  circle-area  50  )  (*  (sqr  (/ 50 2))  pi)  )

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

(define(  area  diameter  )
  
  (*  (sqr  diameter)  pi)
  
  what the function does with those variables)