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 ...

**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, giving variable names to all your input values ...

(define( area diameter )

(* (sqr diameter) pi) )