**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 ...

<table>
<thead>
<tr>
<th>circle-area : number -&gt; number</th>
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<tbody>
<tr>
<td>Takes the diameter of a circle and calculates the area by multiplying</td>
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**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)