What's Wrong with these Recipes? 2

Directions : Write a function that retu	rns the area of a circle giv	en its diameter.		
Contract and Purpose Statement				
Every contract has three parts				
;circle-area :	Numbe	r	-> Number	
function name	domain		range	
; Given the diameter, multiply pi by	y radius squared to get	the area		
	what does the fun	ction do?		
Examples				
Write some examples, then circle and label wha	t changes			
(EXAMPLE (circle-area	10)	(* (sqr (/ 10 2))	pi))
function name	input(s)	what the fi	unction produces	
(EXAMPLE (circle-area	50)	(* (sqr (/ 50 2))	pi))
function name	input(s)	what the fi	unction produces	
Definition				
Write the definition, giving variable names to al	your input values			
(define (area	diameter)			
function name	variable(s)			
(* (sqr diameter) pi))
	what the function does with t	those variable(s)		
Directions : You have 100 square feet	of carnet to put down in v	your room. Write a function	n that takes in the length	and width
of your room and returns true if you ha				
Contract and Purpose Statement		,		
Every contract has three parts				
; enough-carpet?:	Number N	umber	-> Number	
function name	domain	umber	range	
; Given length and width of a roor		sa feet?	8	
	what does the fun			
Examples				
Write some examples, then circle and label wha	t changes			
(EXAMPLE (enough-carpet?		(< (* 10 15) 100))
function name	input(s)	((===================================	function produces	
(EXAMPLE (enough-carpet?		(< (* 9 10) 100)	-)
function name	input(s)		function produces	′
Definition				
Write the definition, giving variable names to al	l vour innut values			
dojimilon, grand variable names to ar	,put raidos			

what the function does with those variable(s)

length width)

variable(s)

(define (enough-carpet?

(< (* length width) 100)