## **Check for Mistakes in this Word Problem: scale-image**

**Directions:** Write a function which takes an image and a string, representing what to scale the image by. The function should return a smaller image if the string is 'smaller' and a bigger image if the string is 'bigger'.

Contract and Purpose Statement	
Every contract has three parts	
; scale-image : image string $ ightarrow$ image	
function name domain range	
; Make the image bigger or smaller, depending on the given string	
what does the function do?	
Examples	
Write some examples, then circle and label what changes	
(EXAMPLE( scale-image (circle 5 "solid" "red") "bigger")	
function name input(s)	
(circle 10 "solid" "red")	)
what the function produces	<del></del>
(EXAMPLE(scale-triangle (triangle 20 "solid" "blue") "smaller")	
function name input(s)	
(triangle 10 "solid" "blue")	)
what the function produces	
Definition	
Write the definition, given variable names to all your input values	
(define( scale-image original-image scale-factor)	
function name variables	
(cond	
[(string=? scale-factor "bigger") (scale 2 original-image)	]
[(string=? scale-factor "smaller") (scale 0.5 original-image)	]
[else: original-image	]))