Check for Mistakes in this Word Problem: state-tax

Directions: Some states have different tax rates. New York is 8%, Pennsylvania is 3%, and Delaware is 0%. All other states are 5%. Write a function that takes in the price of an item and and returns how much the tax will be on the item.

Contract and Purpose Statement	
Every contract has three parts	
; state-tax : string	→ number
function name domain	range
; Given the state and an item's price	, returns the the tax on that item
what does the f	iunction do?
Examples	
Write some examples of your function in action	
(EXAMPLE((tax Delaware))	(+ 0.0 price))
function name input(s)	what the function produces
(EXAMPLE((tax Georgia))	(+ 0.05 price))
function name input(s)	what the function produces
Definition	
Write the definition, giving variable names to all your input values	
(define(state-tax state price)	
function name variables	
(cond	
[(string=? state "Pennsylvania"	(* 0.03 price)
[(string=? state "New York")	(* 0.08 price)]
<pre>[(string=? state "Delaware")</pre>	(* 0.0 price)]
[else	(* 0.05 price)]))