## The Design Recipe

**Directions:** Write a function <code>moving</code> that takes in the days and number of miles driven and returns the cost of renting a truck. The truck is \$55 per day and each driven mile is 15¢.

**Contract and Purpose Statement** 

Every contract has three parts		
; moving :	Number Number	-> Number
function name	domain	range
; Takes in a number of days $% \left( \frac{1}{2}\right) =\frac{1}{2}\left( \frac{1}{2}\right) =\frac{1}{$	and multiplies it by \$45, then takes in a	number of miles and multiplies it by
\$0.15, then adds the two	products and returns the cost of moving	
Examples	what does the function do?	
Write some examples, then circle and lo	abel what changes	
(EXAMPLE (moving	1 600 ) (+ (* 1 55	5) (* 600 0.15))
function name	input(s)	what the function produces
(EXAMPLE (moving	3 1500 ) (+ (* 3 55	5) (* 1500 0.15))
function name	input(s)	what the function produces
Definition		
Write the definition, giving variable nar	nes to all your input values	_
(define (moving	days miles)	
function name	variable(s)	
(+ (* days 55) (* r	miles 0.15))	)
	what the function does with those variable(s)	
<b>Directions</b> : Write a function 1  Contract and Purpose State	awn-area that takes in the length and width o	of a rectangular lawn and returns its area.
Every contract has three parts		
;lawn-area :	Number Number	-> Number
function name	domain	range
; Takes in 2 numbers, length	and width, and multiplies them and return	ns that value
	what does the function do?	
Examples		
Write some examples, then circle and lo	abel what changes	
(EXAMPLE (lawn-area	10 20 ) (* 10 20)	)
function name	input(s)	what the function produces
(EXAMPLE (lawn-area	100 300 ) (* 100 300	)
function name	input(s)	what the function produces
Definition		
Write the definition, giving variable nar	nes to all your input values	
(define (lawn-area	length width)	
function name	variable(s)	
(* lenath width)		)

what the function does with those variable(s)