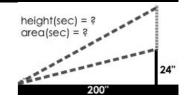
Top Down / Bottom Up

A retractable flag pole starts out 24 inches tall, and grows taller at a rate of 0.6in/sec. An elastic is anchored 200 inches from the base and attached to the top of the pole, forming a right triangle. Using a top-down or bottom-up strategy, define functions that compute the *height* of the pole and the *area* of the triangle after a given number of seconds.



Directions: Define your first function (height or area) here.

Contract and	Purpose Stateme	nt				
Every contract has	three parts					
;	:			->		
function name	<u> </u>		domain		range	
;						
			what does the function do?			
Examples						
Write some exampl	les, then circle and label	what changes				
(EXAMPLE (_))
	function name	input(s)		what the function produces		
(EXAMPLE (_))
	function name	input(s)		what the function produces		
Definition						
Write the definition	n, giving variable names t	to all your input values	S			
(define ()				
	function name	variable(s)				
)
		what the fi	unction does with those variable((s)		_
Directions : De	fine your second fu	action (hojoht	or area here			
			or area / nere.		_	
	Purpose Stateme	nt				
Every contract has	three parts					
;	<u> </u>					_
function name			domain		range	
;						
			what does the function do?			
Examples						
Write some example	les, then circle and label	what changes				
(EXAMPLE (_))
	function name	input(s)		what the function produces		
(EXAMPLE ())
	function name	input(s)		what the function produces		
Definition						
Write the definition	n, giving variable names t	to all your input values	5			
(define ()				
	function name	variable(s)				
)

 $what the function \ does \ with \ those \ variable(s)$