## Design Recipe

A rocket is flying from Earth to Mars at 80 miles per second. Write a function that describes the <u>distance</u> D that the rocket has traveled, as a function of <u>time</u> t.

I. Contract+Purpose Statement		
Every contract has three p	oarts:	
; D :	Number	-> Number
name	Domain	Range
Given the number of seconds, produce the height of the rocket if it moves at 80mi/sec		
	What does the function do?	
II. Give Examples		
Write an example of your	function for <u>some sample inputs</u>	
D(1) = 80 * 1		
Use the function here	What should the function produce?	
D(2) = 80 * 2		
Use the function here	What should the function produce?	
D(3) = 80 * 3		
Use the function here	What should the function produce?	
D(4) = 80 * 4		
Use the function here	What should the function produce?	
III. Definition		
	variable names to all your input values.	
D(+ima) - 80 * +:	ma	
D(time) = 80 * ti	me	