Word Problem: rocket-collide

Directions: A rocket leaves Earth, headed for Mars at 80 miles per second. At the exact same time, an asteroid leaves Mars traveling towards Earth, moving at 70 miles per second. If the distance from the Earth to Mars is 50,000,000 miles, how long will it take for them to meet?

Contract and Purpose Statement						
Every contract has three parts						
rocket-collide ::		Number			Number	
function name	domain				range	
# Given the distance betw	een a r	ocket (moving	at 80mi/	s) and	an asteroid	
	wh	at does the function do?				
Examples						
Write some examples, then circle and la	bel what cha	anges				
examples:						
rocket-collide (0) is	is $0 / (70 + 80)$				
function name input(s)		what the function	produces			
rocket-collide (2000) is	2000 / (70 +	80)			
function name input(s)		what the function	produces			
rocket-collide (15000) is	15000 / (70	+ 80)			
function name input(s)		what the function	produces			
rocket-collide (50000000) is	50000000 / (70 + 80)			
function name input(s)		what the function	produces			
end						
Definition						
Write the definition, given variable name	es to all you.	r input values				
<pre>fun rocket-collide (</pre>	ance)	:				
function name varial	bles					
distance / (70 + 80)						

what the function does with those variables

end