Design Recipe

A rocket is traveling from Earth to Mars at 80 miles per second. Write a function that describes the **_time_** the rocket has been traveling, as a function of **_distance_**.

Every contract has three parts:

; _____**time**_____ : _____**Number**_____ -> _____**Number**_____
       name   Domain   Range

; ___Given the distance, produce the time-traveled if it moves at 80mi/sec___
                              What does the function do?

Write an example of your function for <u>some sample inputs</u>

time(0) = 0/80
Use the function here   What should the function produce?

time(10) = 10/80
Use the function here   What should the function produce?

time(80) = 80/80
Use the function here   What should the function produce?

time(190) = 190/80
Use the function here   What should the function produce?

Write the Formula, giving variable names to all your input values.

time(distance)   =   distance/80