Design Recipe

Word Problem

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

I.   Contract+Purpose Statement
Every contract has three parts:

; _____D_____ : _____ -> _____
       name   Domain   Range

II.   Give Examples
Write an example of your function for <u>some sample inputs</u>

_____D(1)_____ = _____
Use the function here   What should the function produce?

_____D(2)= _____
Use the function here   What should the function produce?

_____D(   )_____ = _____
Use the function here   What should the function produce?

_____ = _____
Use the function here   What should the function produce?

III.   Definition
Write the formula, giving variable names to all your input values.

D(   ) = _____