Design Recipe

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

; _____
                        What does the function do?

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(   ) = _____