

## 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 some sample inputs

D(1) = \_\_\_\_\_

Use the function here                      What should the function produce?

D(2) =

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.

$$D(\quad) =$$