

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:

$$; \underline{\text{D}} : \underline{\hspace{10em}} \rightarrow \underline{\hspace{10em}}$$

name Domain Range

II. Give Examples

Write an example of your function for some sample inputs

Use the function here	What should the function produce?
$D(1)$	=

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.

$$D(\quad) =$$