Word Problem: cost

Directions: *Luigi's Pizza has hired you as a programmer. They offer Cheese ($9.00), Pepperoni ($10.50), Chicken ($11.25) and Broccoli ($10.25). Write a function called cost which takes in the name of a topping and outputs the price of a pizza with that topping.*

Contract and Purpose Statement

Every contract has three parts...

; _____ : _____ → _____
     function name   *domain*   *range*

; _____
            what does the function do?

Examples

Write some examples, then circle and label what changes...

(EXAMPLE (cost   "cheese"   )   _____)
      function name   *input (s)*   *what the function produces*

(EXAMPLE (_____ _____) _____)
      function name   *input (s)*   *what the function produces*

(EXAMPLE (_____ _____) _____)
      function name   *input (s)*   *what the function produces*

(EXAMPLE (_____ _____) _____)
      function name   *input (s)*   *what the function produces*

Definition

Write the definition, given variable names to all your input values...

(define (_____ _____)
       function name   *variables*

    (cond _____

      [_____ _____]

      [_____ _____]

      [_____ _____]

      [_____ _____]

      [_____ _____]))