Creating Contracts From Examples

Directions : For each of the following collections of Examples, write the contract for the function above the examples.

1. ```
   ; big-triangle : Number String -> Image
   (EXAMPLE (big-triangle 100 "red")
           (triangle 100 "solid" "red"))
   (EXAMPLE (big-triangle 100 "orange")
           (triangle 100 "solid" "orange"))
   ```

2. ```
   ; purple-square : Number -> Image
   (EXAMPLE (purple-square 15)
           (rectangle 15 15 "outline" "purple"))
   (EXAMPLE (purple-square 6)
           (rectangle 6 6 "outline" "purple"))
   ```

3. ```
   ; banner : String -> Image
   (EXAMPLE (banner "Game Today!")
           (text "Game Today!" 50 "red"))
   (EXAMPLE (banner "Go Team!")
           (text "Go Team!" 50 "red"))
   (EXAMPLE (banner "Exit")
           (text "Exit" 50 "red"))
   ```

4. ```
   ; twinkle : Number String -> Image
   (EXAMPLE (twinkle 5 "outline")
           (star 5 "outline" "yellow"))
   (EXAMPLE (twinkle 15 "solid")
           (star 15 "solid" "yellow"))
   (EXAMPLE (twinkle 36 "outline")
           (star 36 "outline" "yellow")
   ```

5. ```
   ; half : Number -> Number
   (EXAMPLE (half 2)
           (/ 2 2))
   (EXAMPLE (half 4)
           (/ 4 2))
   (EXAMPLE (half 9)
           (/ 9 2))
   ```

6. ```
   ; how-long? : String -> Number
   (EXAMPLE (how-long? "Soccer")  6)
   (EXAMPLE (how-long? "Cupcakes")  8)
   (EXAMPLE (how-long? "Hi Mom")  6)
   (EXAMPLE (how-long? "Cheese pizza")  12)
   ```