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
   examples:
     big-triangle(100, "red") is
       triangle(100, "solid", "red")
     big-triangle(100, "orange") is
       triangle(100, "solid", "orange")
   end
   ```

2. ```
   purple-square : : Number -> Image
   examples:
     purple-square(15) is
       rectangle(15, 15, "outline", "purple")
     purple-square(6) is
       rectangle(6, 6, "outline", "purple")
   end
   ```

3. ```
   banner : : String -> Image
   examples:
     banner("Game Today!") is
       text("Game Today!", 50, "red")
     banner("Go Team!") is
       text("Go Team!", 50, "red")
     banner("Exit") is
       text("Exit", 50, "red")
   end
   ```

4. ```
   twinkle : : Number, String -> Image
   examples:
     twinkle(5, "outline") is
       star(5, "outline", "yellow")
     twinkle(15, "outline") is
       star(15, "outline", "yellow")
     twinkle(36, "outline") is
       star(36, "outline", "yellow")
   end
   ```

5. ```
   half : : Number -> Number
   examples:
     half(2) is 2 / 2
     half(4) is 4 / 2
     half(9) is 9 / 2
   end
   ```

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