Creating Contracts From Examples

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

```
1. ; third-root : Number -> Number
   (EXAMPLE (third-root 16)
             (expt 16 1/3)
   (EXAMPLE (third-root 125)
             (expt 125 1/3)
   (EXAMPLE (third-root 625)
             (expt 625 1/3)
2. ; sentence-length : String Number -> Number
   (EXAMPLE (sentence-length "hello" 5)
             (+ (string-length "hello") 5))
   (EXAMPLE (sentence-length "please" 6)
             (+ (string-length "please") 6))
   (EXAMPLE (sentence-length "goodbye" 10)
             (+ (string-length "please") 10))
3. ; upside-down : Image -> Image
   (EXAMPLE (upside-down (triangle 50 "solid" "yellow"))
             (rotate 180 (triangle 50 "solid" "yellow")))
   (EXAMPLE (upside-down (star 150 "outline" "blue"))
             (rotate 180 (star 150 "outline" "blue")))
4. ; product-squared : Number Number -> Number
   (EXAMPLE (product-squared 5 6)
             (sqr (* 5 6))
   (EXAMPLE (product-squared 10 17)
             (sqr (* 10 17)))
   (EXAMPLE (product-squared 2 5)
             (sqr (* 2 5)))
5. ; half-image : String -> Image
   (EXAMPLE (half-image "www.images.com/cat image")
             (scale .5 (bitmap/url "www.images.com/cat image")))
   (EXAMPLE (half-image "www.images.com/dog image")
             (scale .5 (bitmap/url "www.images.com/dog image")))
6. ; triple : Number -> Number
   (EXAMPLE (triple 4)
             (* 4 3))
   (EXAMPLE (triple 10)
             (* 10 3))
   (EXAMPLE (triple 3)
             (* 3 3))
```