## **Creating Contracts From Examples**

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

```
(EXAMPLE (third-root 16)
           (expt 16 1/3)
   (EXAMPLE (third-root 125)
           (expt 125 1/3)
   (EXAMPLE (third-root 625)
           (expt 625 1/3)
   (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))
(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")))
   (EXAMPLE (product-squared 5 6)
           (sqr (* 5 6))
   (EXAMPLE (product-squared 10 17)
           (sgr (* 10 17)))
   (EXAMPLE (product-squared 2 5)
           (sqr (* 2 5)))
5.;____->____
   (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")))
   (EXAMPLE (triple 4)
           (* 4 3))
   (EXAMPLE (triple 10)
            (* 10 3))
   (EXAMPLE (triple 3)
           (* 3 3))
```