

# Contract Practice 2

For each of the sets of examples, write the contract for the function **above** the examples.

1. ; \_\_\_\_\_ : \_\_\_\_\_ ->

\_\_\_\_\_

```
(EXAMPLE (third-root 16) (expt 16 1/3))
(EXAMPLE (third-root 125) (expt 125 1/3))
```

2. ; \_\_\_\_\_ : \_\_\_\_\_ ->

\_\_\_\_\_

```
(EXAMPLE (sentence-length "hello" 5) (+ (string-length "hello") 5))
(EXAMPLE (sentence-length "please" 2) (+ (string-length "please") 2))
(EXAMPLE (sentence-length "goodbye" 10)
          (+ (string-length "goodbye") 10))
```

3. ; \_\_\_\_\_ : \_\_\_\_\_ ->

\_\_\_\_\_

```
(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. ; \_\_\_\_\_ : \_\_\_\_\_ ->

\_\_\_\_\_

```
(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. ; \_\_\_\_\_ : \_\_\_\_\_ ->

\_\_\_\_\_

```
(EXAMPLE (half-image "www.images.com/cat_image.jpg")
          (scale 0.5 (bitmap/url "www.images.com/cat_image.jpg")))
(EXAMPLE (half-image "www.images.com/dog_image.jpg")
          (scale 0.5 (bitmap/url "www.images.com/dog_image.jpg")))
```

