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
  examples:
    third-root(16) is expt(16, 1/3)
    third-root (125) is expt(125, 1/3)
    third-root(625) is expt(625, 1/3)
  end
2. sentence-length : : String, Number -> Number
  examples:
    sentence-length("hello", 5) is string-length("hello") + 5
    sentence-length("please", 6) is string-length("please") + 6
    sentence-length("goodbye", 10) is string-length("goodbye") + 10
  end
3. upside-down : : Image -> Image
  examples:
    upside-down(triangle(50, "solid", "yellow")) is
       rotate(180, triangle(50, "solid", "yellow"))
    upside-down(star(150, "solid", "blue")) is
       rotate(180, star(150, "solid", "blue"))
  end
4. product-squared : : Number, Number -> Number
  examples:
    product-squared(5, 6) is sqr(5 * 6)
    product-squared(10, 17) is sqr(10 * 17)
    product-squared(2, 5) is sqr(2 * 5)
5. half-image : : String -> Image
  examples:
    half-image("www.images.com/cat image") is
       scale(0.5, bitmap/url("www.images.com/cat image"))
    half-image("www.images.com/dog image") is
       scale(0.5, bitmap/url("www.images.com/dog image"))
  end
6. triple : : Number -> Number
  examples:
    triple(4) is 4 * 3
    triple(10) is 10 * 3
    triple(3) is 3 * 3
  end
```