

Creating Contracts From Examples

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

1. ; _____ : _____ -> _____

```
(EXAMPLE (big-triangle 100 "red")
          (triangle 100 "solid" "red"))
(EXAMPLE (big-triangle 100 "orange")
          (triangle 100 "solid" "orange"))
```

2. ; _____ : _____ -> _____

```
(EXAMPLE (purple-square 15)
          (rectangle 15 15 "outline" "purple"))
(EXAMPLE (purple-square 6)
          (rectangle 6 6 "outline" "purple"))
```

3. ; _____ : _____ -> _____

```
(EXAMPLE (banner "Game Today!")
          (text "Game Today!" 50 "red"))
(EXAMPLE (banner "Go Team!")
          (text "Go Team!" 50 "red"))
(EXAMPLE (banner "Exit")
          (text "Exit" 50 "red"))
```

4. ; _____ : _____ -> _____

```
(EXAMPLE (twinkle 5 "outline")
          (star 5 "outline" "yellow"))
(EXAMPLE (twinkle 15 "solid")
          (star 15 "solid" "yellow"))
(EXAMPLE (twinkle 36 "outline")
          (star 36 "outline" "yellow"))
```

5. ; _____ : _____ -> _____

```
(EXAMPLE (half 2)
          (/ 2 2))
(EXAMPLE (half 4)
          (/ 4 2))
(EXAMPLE (half 9)
          (/ 9 2))
```

6. ; _____ : _____ -> _____

```
(EXAMPLE (how-long? "Soccer") 6)
(EXAMPLE (how-long? "Cupcakes") 8)
(EXAMPLE (how-long? "Hi Mom") 6)
(EXAMPLE (how-long? "Cheese pizza") 12)
```