

Creating Contracts From Examples

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

1. _____ :: _____ -> _____

examples:

```
big-triangle(100, "red") is
  triangle(100, "solid", "red")
big-triangle(100, "orange") is
  triangle(100, "solid", "orange")
```

end

2. _____ :: _____ -> _____

examples:

```
purple-square(15) is
  rectangle(15, 15, "outline", "purple")
purple-square(6) is
  rectangle(6, 6, "outline", "purple")
```

end

3. _____ :: _____ -> _____

examples:

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

end

4. _____ :: _____ -> _____

examples:

```
twinkle(5, "outline") is
  star(5, "outline", "yellow")
twinkle(15, "outline") is
  star(15, "outline", "yellow")
twinkle(36, "outline") is
  star(36, "outline", "yellow")
```

end

5. _____ :: _____ -> _____

examples:

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

end

6. _____ :: _____ -> _____

examples:

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

end

