

Do Examples Have the Same Contracts?

Directions: For each pairs of Examples below, decide whether the two examples have the same contract. If they do, fill in the contract in the space provided. If not, write a few words explaining why.

examples:

```
mystery("+", 4, 5) is 4 + 5
```

```
mystery("sqrt", 25) is sqrt(25)
```

• end

no match (the domains have different numbers of arguments)

examples:

```
mystery(triangle(70, "solid", "green")) is
```

```
triangle(140, "solid", "green")
```

```
mystery(triangle(100, "solid", "green")) is
```

```
triangle(200, "solid", "green")
```

• end

```
mystery : : Image -> Image
```

examples:

```
mystery("red") is
```

```
triangle(140, "solid", "red")
```

```
mystery("blue", "circle") is
```

```
circle(140, "solid", "blue")
```

• end

no match (the domains have different numbers of arguments)

examples:

```
mystery("circle", 4) is pi * sqr(4)
```

```
mystery("square", 5) is sqr(5)
```

• end

```
mystery : : String, Number -> Number
```

examples:

```
mystery("dog") is 3
```

```
mystery("cat") is "kitten"
```

• end

no match (the range types are different)

examples:

```
mystery("dog") is 3
```

```
mystery("kitten") is 6
```

• end

```
mystery : : String -> Number
```

examples:

```
mystery(4, 5, "big") is
```

```
scale(2, rectangle(4, 5, "solid", "blue"))
```

```
mystery(10, "small", 4) is
```

```
scale(0.5, rectangle(10, 4, "solid", "blue"))
```

• end

no match (the domains have different orders of arguments)