

Domain and Range - Contract Practice

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

1. ; **big-triangle** : **String String** -> **Image**
 (EXAMPLE (big-triangle "solid" "red")
 (triangle 90 "solid" "red"))
 (EXAMPLE (big-triangle "outline" "blue")
 (triangle 90 "outline" "blue"))

2. ; **purple-square** : **Number** -> **Image**
 (EXAMPLE (purple-square 15)
 (rectangle 15 15 "outline" "purple"))
 (EXAMPLE (purple-square 6)
 (rectangle 6 6 "outline" "purple"))

3. ; **banner** : **String** -> **Image**
 (EXAMPLE (banner "Game Today!")
 (text "Game Today!" 50 "red"))
 (EXAMPLE (banner "Go Team!")
 (text "Go Team!" 50 "red"))

4. ; **twinkle** : **Number String** -> **Image**
 (EXAMPLE (twinkle 5 "outline")
 (star 5 "outline" "yellow"))
 (EXAMPLE (twinkle 15 "solid")
 (star 15 "solid" "yellow"))

5. ; **half** : **Number** -> **Number**
 (EXAMPLE (half 2)
 (/ 2 2))
 (EXAMPLE (half 4)
 (/ 4 2))
 (EXAMPLE (half 9)
 (/ 9 2))