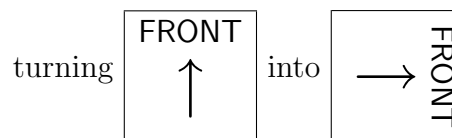


Name: \_\_\_\_\_

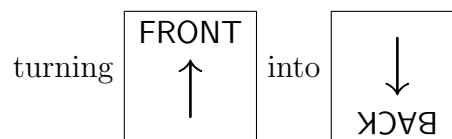
# Symmetries of a square.

## Basic operations.

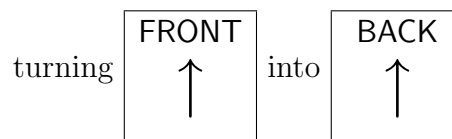
**Rotation**, written **R**, which rotates clockwise by  $90^\circ$ ,



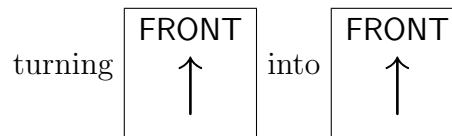
**X-Flipping**, written **X**, which flips across a horizontal line,



**Y-Flipping**, written **Y**, which flips across a vertical line,



**Nothing**, written **N**, which does nothing,



## Useful facts.

