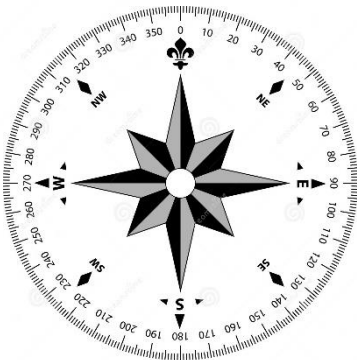# Extra Question # 07

Specific points on a compass may be expressed in general directions. For example, 130° is in as easterly direction.

Write the function **printDirection** that takes the heading direction in degrees as an input parameter in order to display the cardinal direction according to the following information:

Degrees	Cardinal Direction
45 - 135	East
136 - 225	South
226 - 315	West
316 – 360 0 - 45	North

Write a C program that takes directions in degrees and displays the direction using the function **printDirection**. The program should reject invalid readings and end execution when a negative compass reading is given.

Project Name: EQ8
File Name: EQ8.cpp

Example Run:
```
Compass Reading? 104
EAST

Compass Reading? 370
INVALID! Enter another compass reading? 242
WEST

Compass Reading? 20
NORTH

Compass Reading? 320
NORTH

Compass Reading? 90
EAST

Compass Reading? 135
EAST

Compass Reading? 136
SOUTH

Compass Reading? -3
```