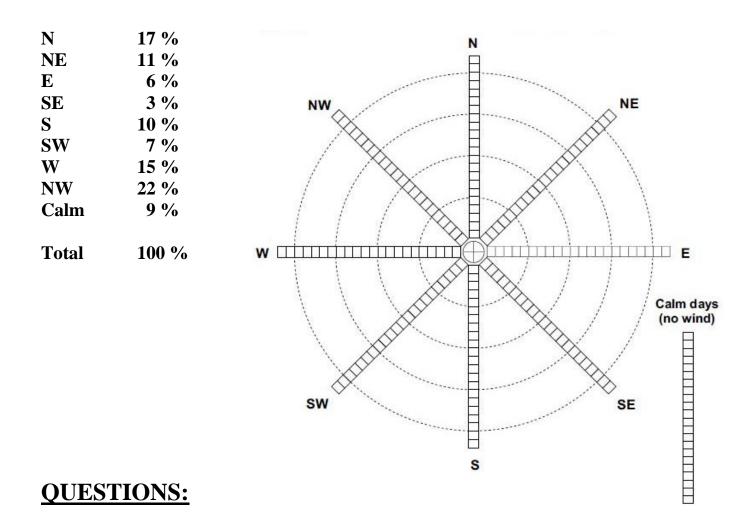NAME:

1. **Imagine yourself designing an** <u>**airport layout**</u>**. You have the following data regarding the** <u>**winds in the area**</u> **(wind** *frequency* **was measured, that is** *how often a wind from a certain direction was observed*; **no data for wind speed is available):**

N	17 %
NE	11 %
E	6 %
SE	3 %
S	10 %
SW	7 %
W	15 %
NW	22 %
Calm	9 %
Total	100 %

<u>QUESTIONS:</u>

a) <u>**Create the WIND ROSE**</u> **using the template above**
(*one box is equal to 1%, zero is at the center; extend outwards if needed*)

b) <u>**Which direction**</u> **would you choose for the** <u>**primary runway**</u>**?**