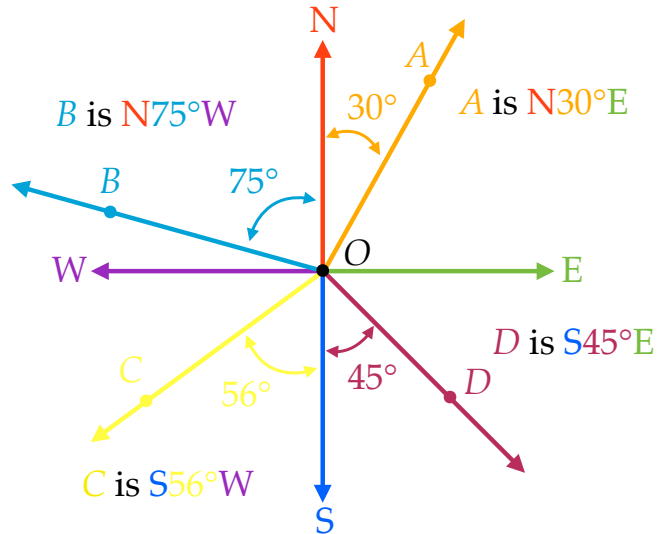


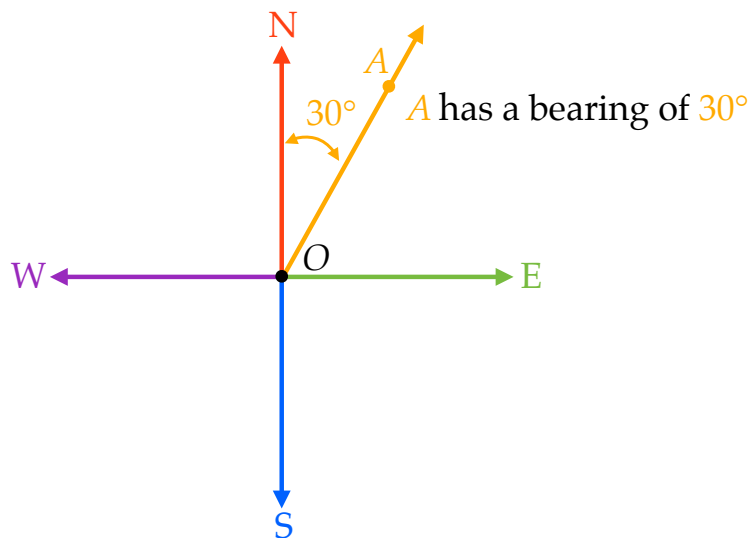
Direction

The direction of a point is the number of degrees **east** or **west** of **due north** or **due south**



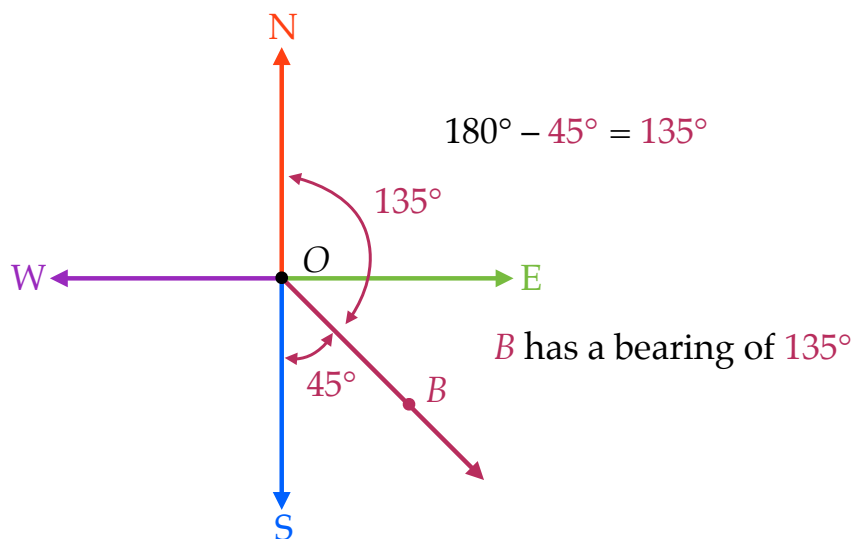
Bearing

The bearing to a point is the angle measured in a clockwise direction from the **north**.



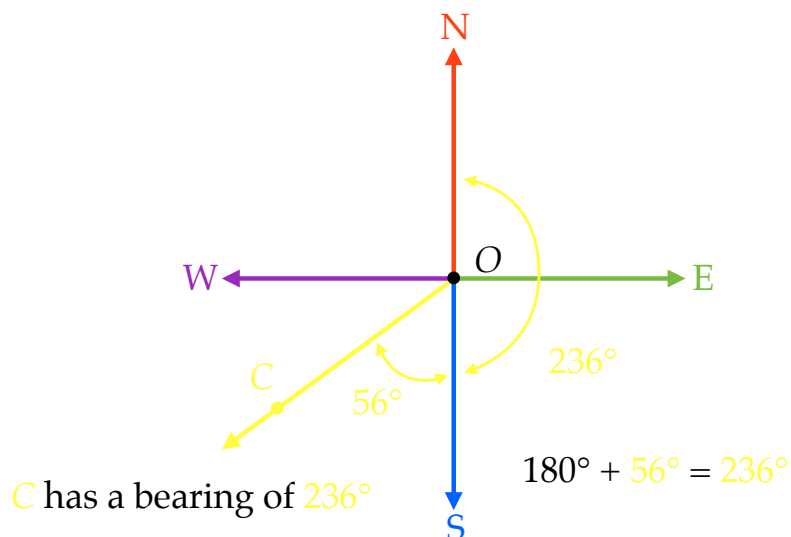
Bearing

The bearing to a point is the angle measured in a clockwise direction from the **north**.



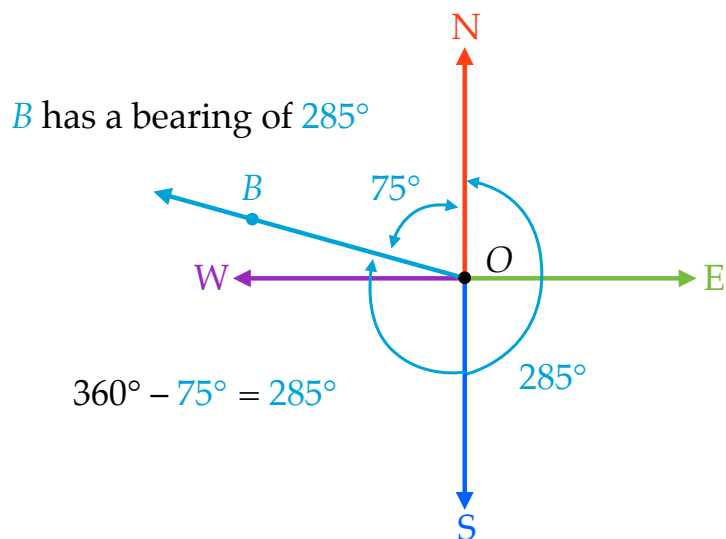
Bearing

The bearing to a point is the angle measured in a clockwise direction from the **north**.



Bearing

The bearing to a point is the angle measured in a clockwise direction from the north.



John and Jen walked 4 miles due north from their cabin, turned in a direction $N60^\circ W$, and walked more 8 miles. How far are John and Jen from their cabin?

A ship leaves port and travels 5 miles east and then 2 miles at a bearing of 130° .
How far is the ship from the port?

A plane leaves the airport on a bearing of 240° for 2 hours at a speed of 800 mph. Then it changes course to 310° , at same speed for 3 more hours. How far is the plane from the airport?