

Figure 3-1: Parallel Rules can be used to draw one line parallel to another.

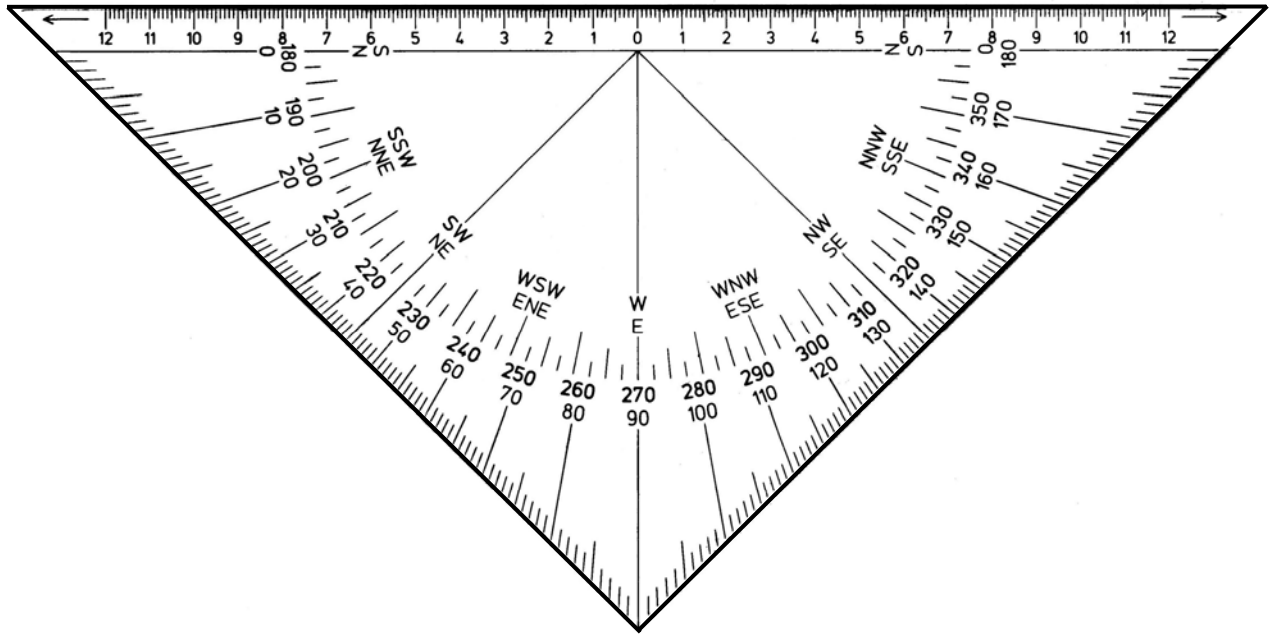


Figure 3-2: A protractor Triangle

- **Protractor Triangle** shown in *Figure 3-2* can be used to measure True angles anywhere on a chart.
- **Dividers** are used to measure distances and draw circles. Dividers with an adjusting screw, one needle point and one pencil point, as shown in *Figure 3-3*, can best serve your navigational plotting needs. These will allow you to accurately measure and mark distances, draw arcs and not accidentally change setting on a rolling, pitching boat at sea.
 - *Figure 3-4* shows how to easily sharpen the pencil point on this type of divider.
 - Some navigators like double needle pointed dividers without an adjusting screw, but the disadvantage of these are that you cannot draw circular arcs, you need to use a pencil to mark obscure pin pricks in the chart when measuring distances, and they can accidentally get out of adjustment.

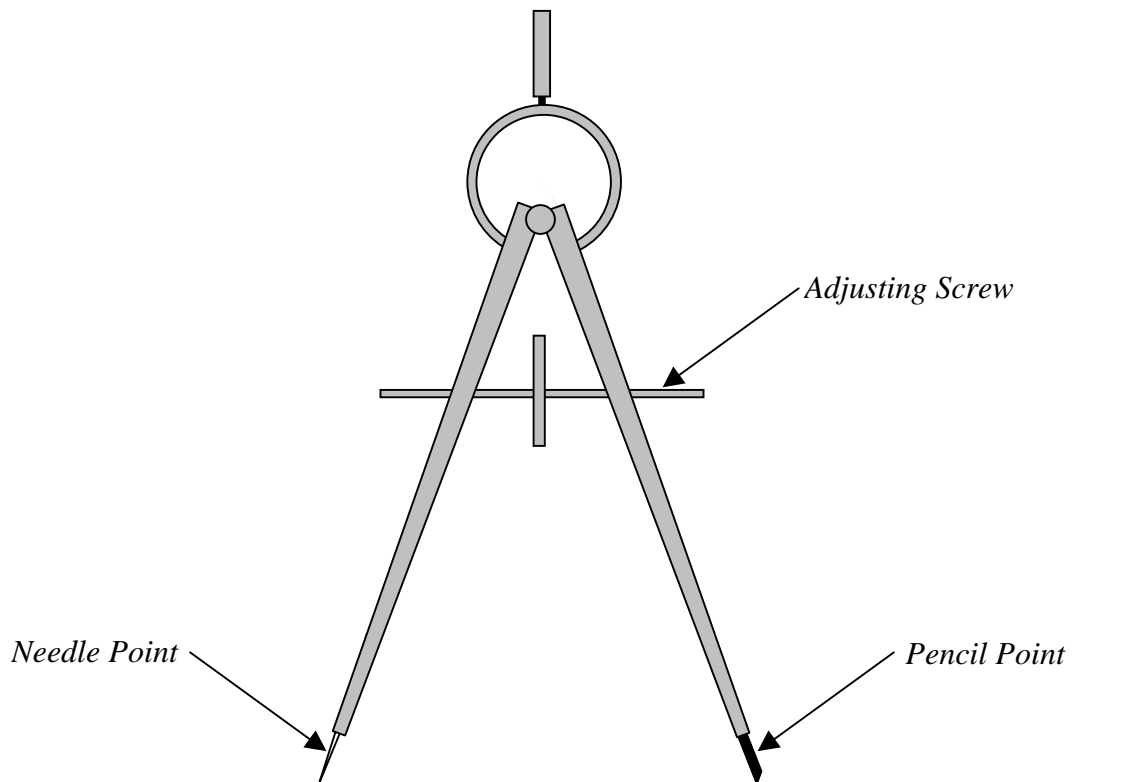


Figure 3-3: Dividers with one needle point, one pencil point and an adjusting screw.