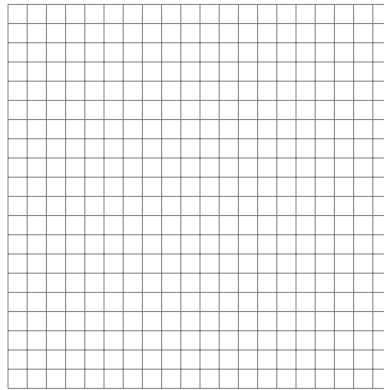
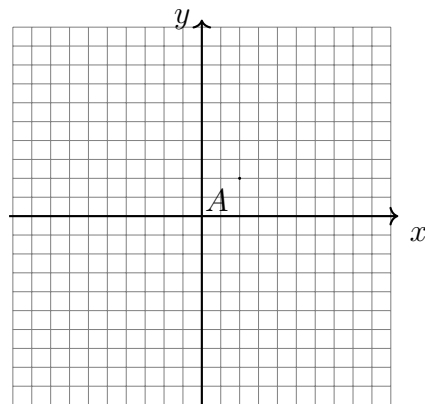
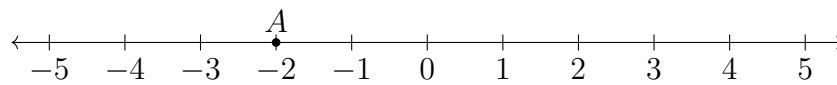


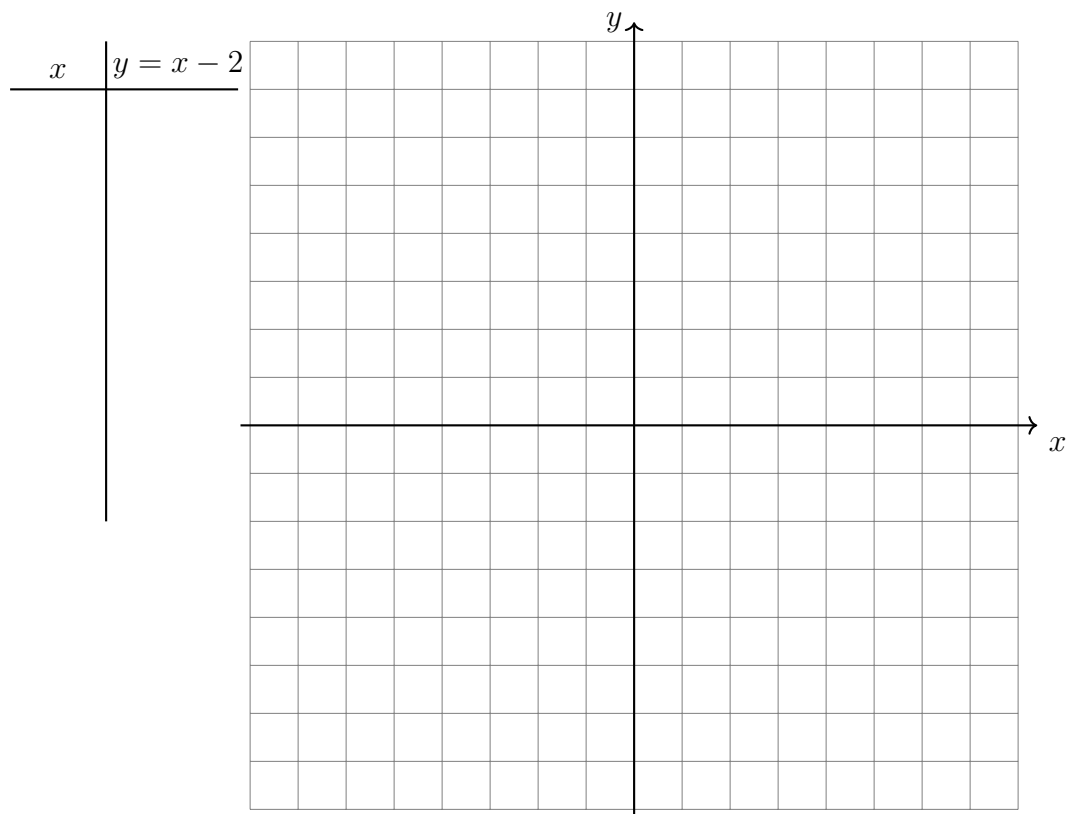
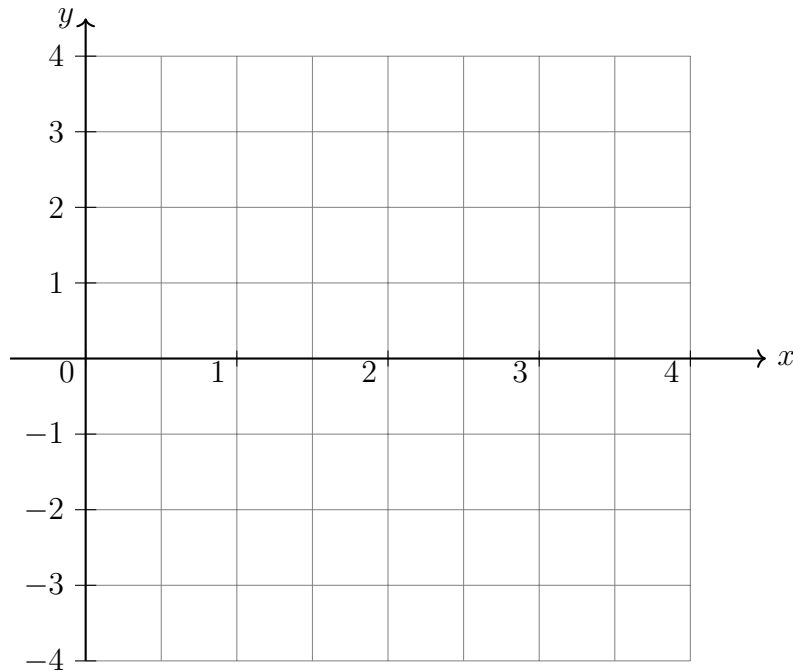
Graphs

tikz grid command



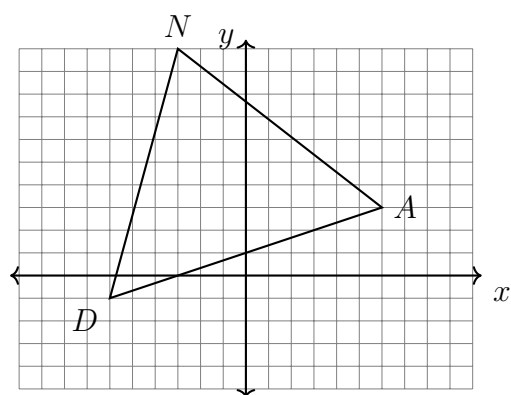
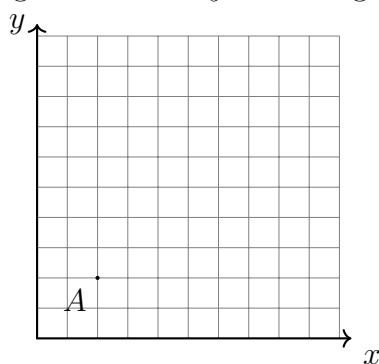
Axes



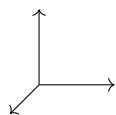


Triangle DAN is graphed on the set of axes below. The vertices of $\triangle DAN$ have coordinates $D(-6, -1)$, $A(6, 3)$, and $N(-3, 10)$.

Figure 1: x and y axes for grid



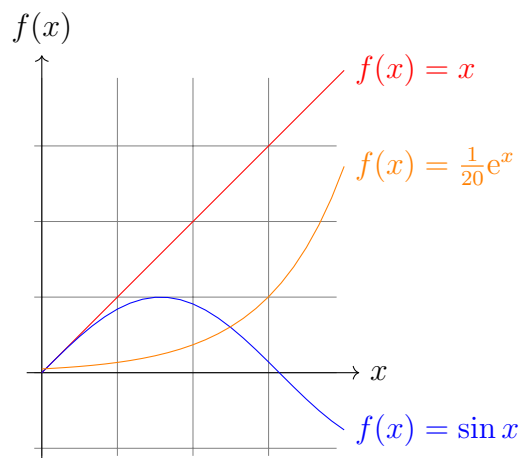
What is the area of $\triangle DAN$?



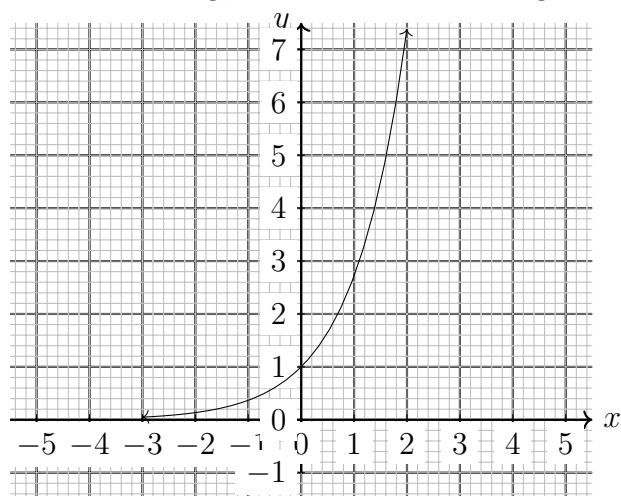
plot functions

Use brackets around expressions, especially those having parenthesis

Axis degrees conversion to radian measure for plot trig function “r”



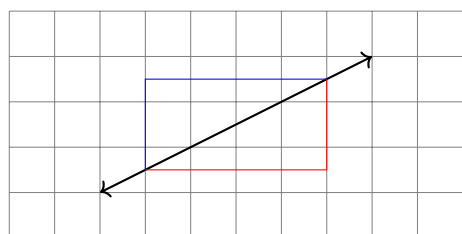
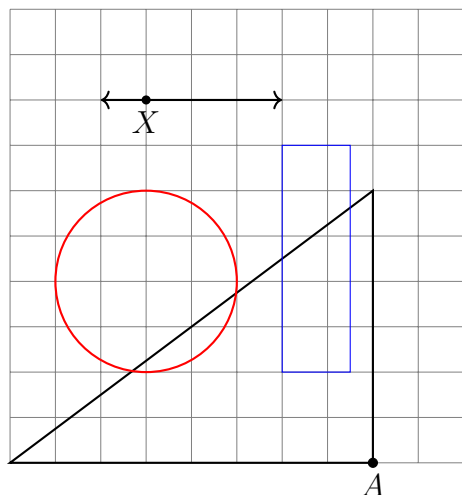
Axis numbering, with fill to cover fine grid line background



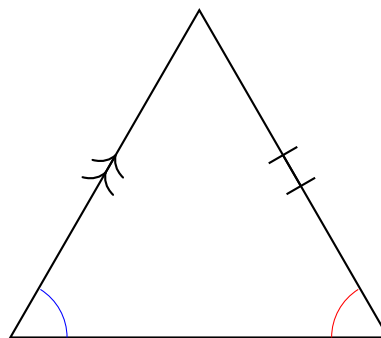
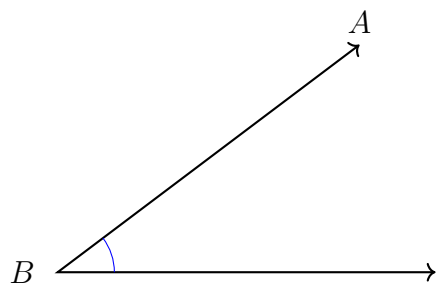
Drawing lines and shapes

tikz draw command, node labeling function



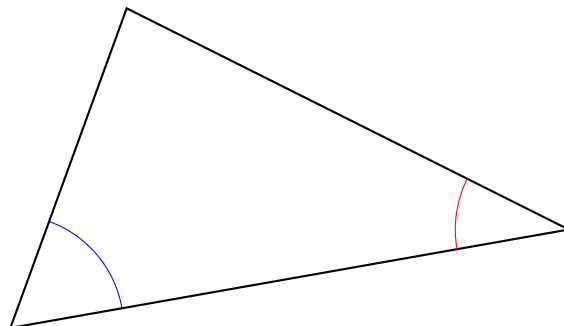


Marking angles



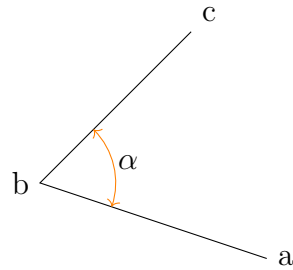
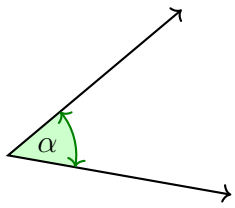
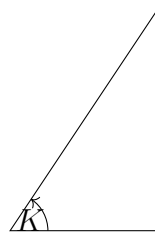
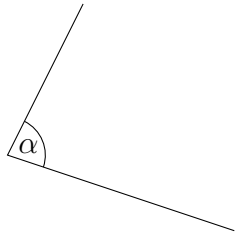
centered text

Negative arc radius

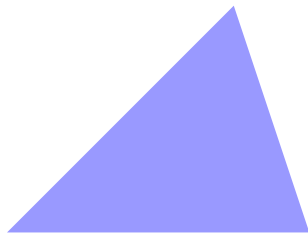
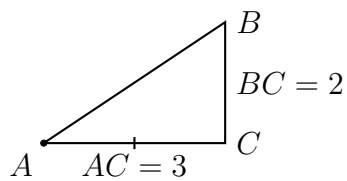


Isosceles, parallel marks, congruence marks,
 scaled arrows

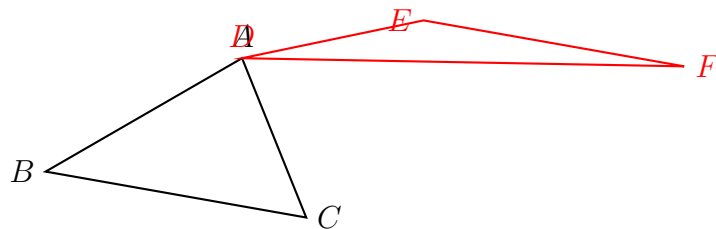
Using coordinates and “pic” command



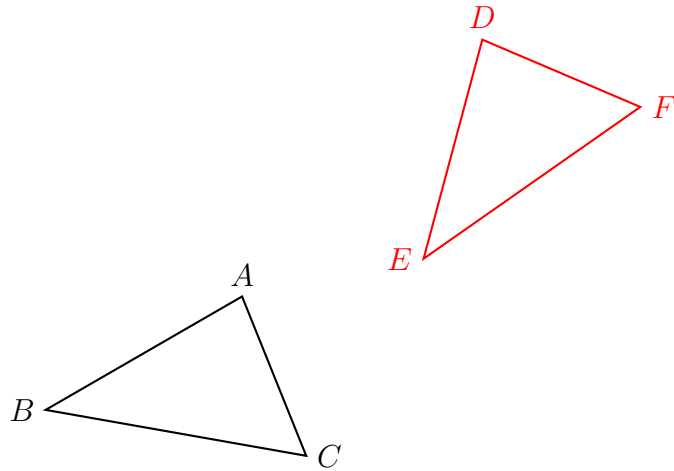
Triangles



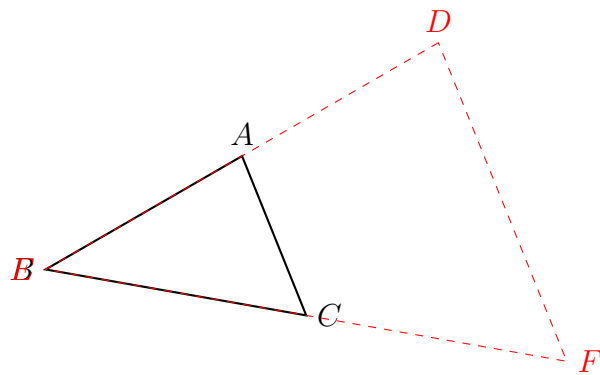
Shift using coordinates



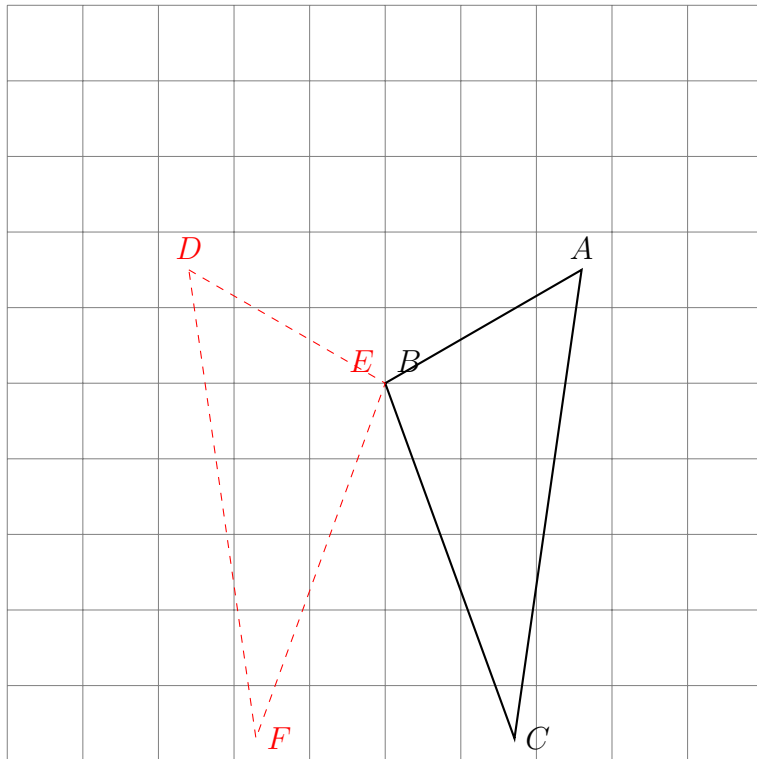
Shift and rotate



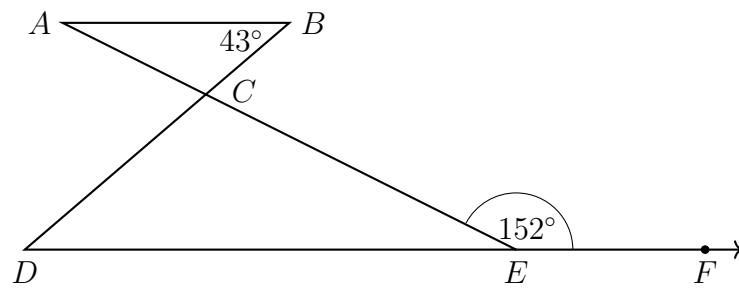
Scale

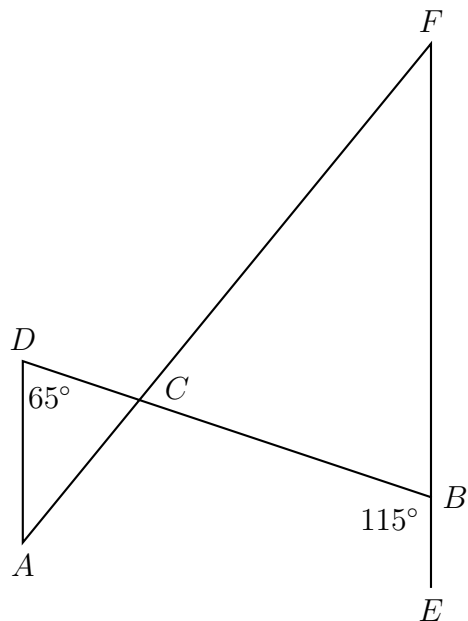


Reflect

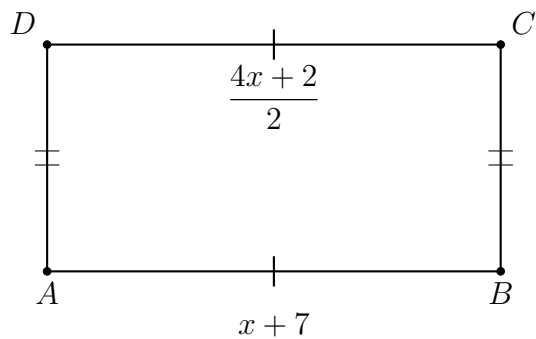


Complex Regents angle problems



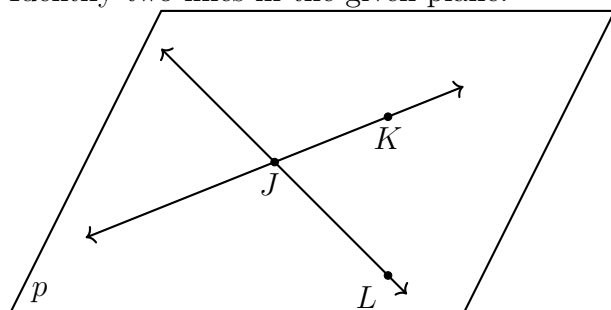


Rectangle

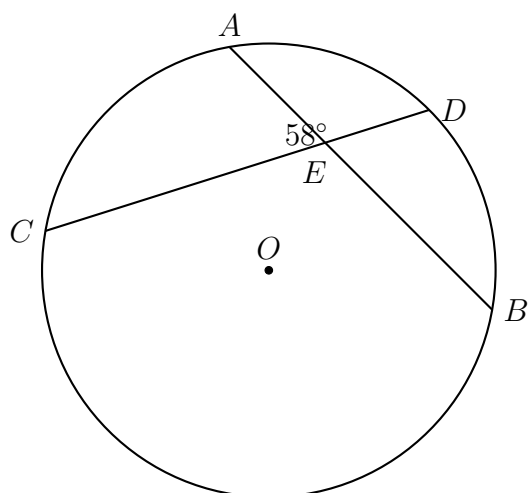
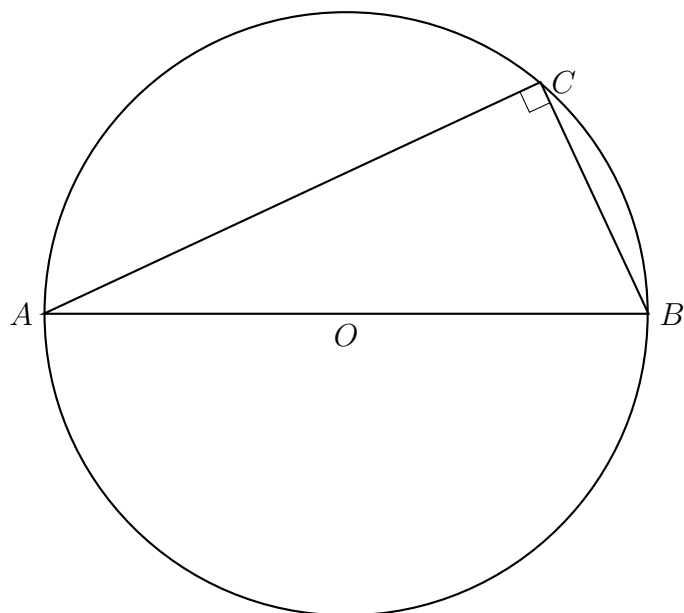


Plane geometry

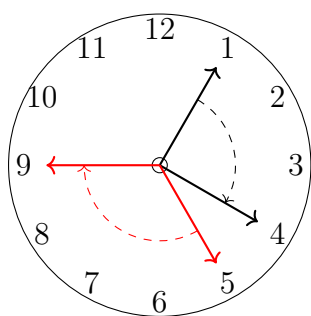
Identify two lines in the given plane.



Circles

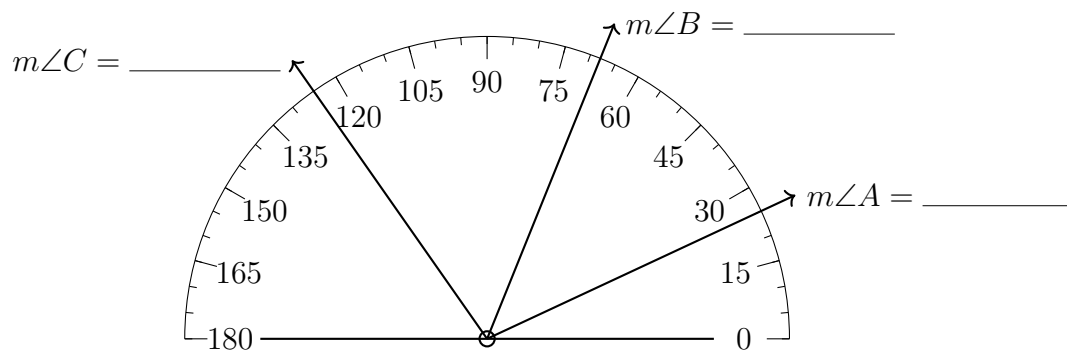


foreach examples (circular)

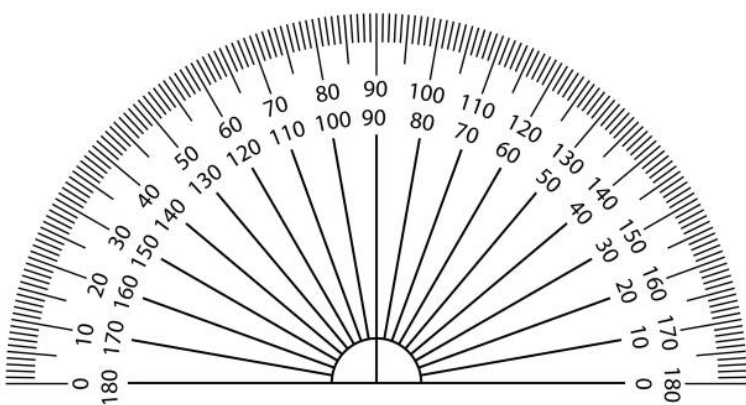


Clockface

Use the image of the protractor to measure each of the angles.



Images



IB Graph paper

