

AB is the diameter. DE is a tangent at A.

Angle CAE is 61° .

Find angle BAC.

Find angle ABC.

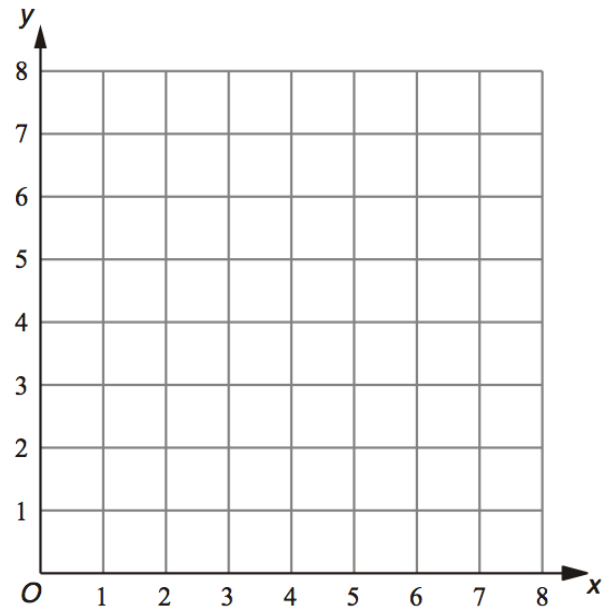
A region R satisfies the inequalities

$$x + y \leq 5$$

$$x > 3$$

$$y \leq 1$$

Show this region on the grid.



Make w the subject of

$$8(w - 3a) = 3w + 7$$

In a school, all students are taught either French, German or Spanish.
The ratio of the number of students taught French to those taught German is 3:4
The ratio of the number of students taught French to taught Spanish is 12:11

Find the ratio of the number of students taught Spanish to taught German.