

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

Angle CAE is 61° .

Find angle BAC.

$$90 - 61 = 29^\circ$$

Find angle ABC.

$$61^\circ$$

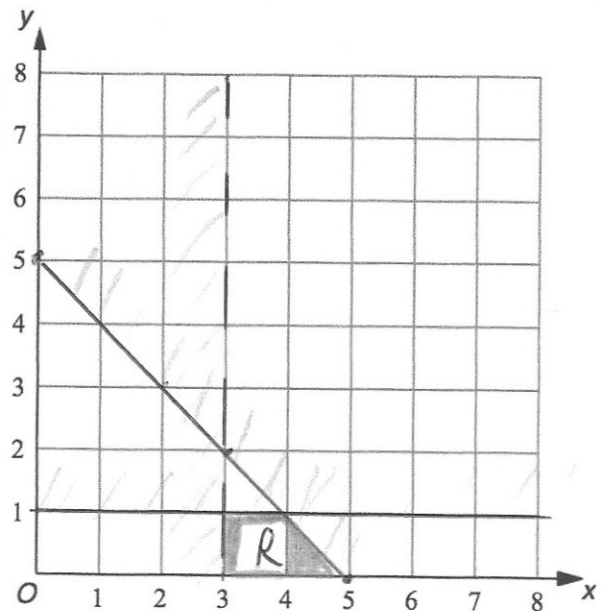
A region R satisfies the inequalities

$$x + y \leq 5$$

$$x > 3$$

$$y \leq 1$$

Show this region on the grid.



Make w the subject of

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

$$8w - 24a = 3w + 7$$

$$5w = 24a + 7$$

$$w = \frac{24a + 7}{5}$$

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

F G S

3 : 4

12 11

12 : 16 : 11

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

11 : 16