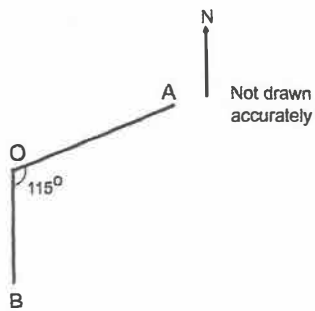


13th June



Corbettmaths



Gregory is at O and there are two roads, one towards A and another towards B. B is due South of O.

Gregory walks towards A.
On what bearing does he walk?

065°

Joshua is at A and walks towards Gregory.

On what bearing does he walk?

245°

A circle has an area of $81\pi \text{ cm}^2$
Work out the radius of the circle.

9cm

$$\pi r^2 = 81\pi$$

$$r^2 = 81$$

$$r = 9$$

Factorise $4y^2 - 1$

$$(2y+1)(2y-1)$$

Factorise $x^2 + 6x - 27$

$$(x+9)(x-3)$$

8.5 has been truncated to one decimal place.

Write down an inequality to show the range of possible actual values.

$$8.5 \leq y < 8.6$$