

Past-paper walk-through

Pythagoras' theorem ■ E6.1

eXercise

Questions in this set

- 0580/23 N25 Q10 ■ 4 marks

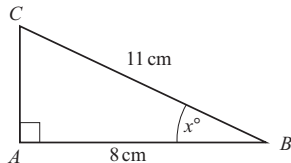
Reading the mark scheme

- **B1** a mark that stands on its own – the point is either made or not.
- **M1** a *method* mark: the right approach, even if the number is wrong.
- **A1** an *answer* mark, and it usually needs its M mark first.
- **C1** a working mark on the way to the answer.
- **//** separates answers the examiner accepts equally.
- **ecf** = error carried forward: a later part is marked on your own earlier answer.
- **owtte** = “or words to that effect” – the wording need not match.

Question 10

0580/23 N25 ■ Q10 ■ 4 marks

10

NOT TO
SCALE

The diagram shows a right-angled triangle ABC .

- (a) Work out the exact length of AC .

Question 10

Question 10

(b) $\cos x = k$

Write down the value of k .

Solution 10

(a)

Mark scheme

- 57
- 3 M2 for $112 - 82$
- or M1 for $112 = AC2 + 82$

Solution 10

(b)

Mark scheme

■ 8