Pythagoras

(A) **5.** A triangular paving slab has measurements as shown.
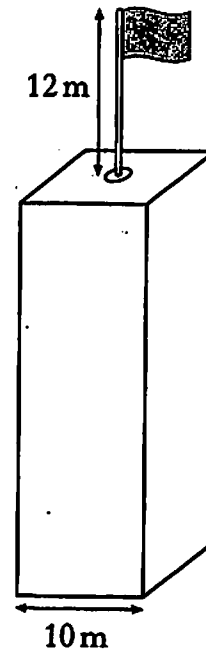
(P2)

110 cm

60 cm

90 cm
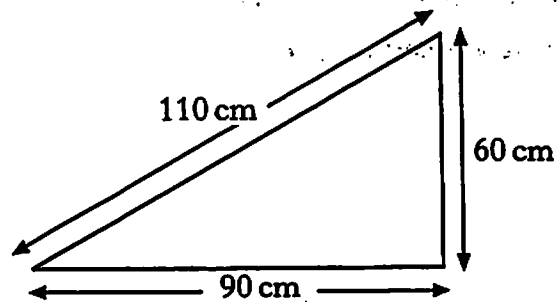
Is the slab in the shape of a right-angled triangle?
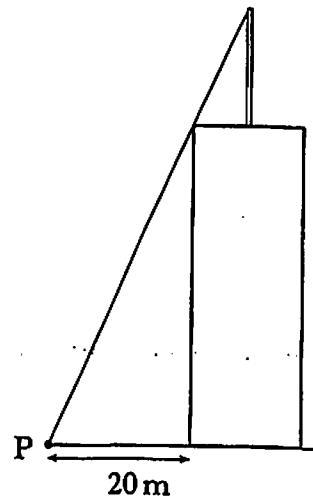
Show your working.

RE
3

(B) **6.** A vertical flagpole 12 metres high stands

(P2) at the centre of the roof of a tower.

The tower is cuboid shaped with a square base of side 10 metres.

12 m

10 m

At a point P on the ground, 20 metres from the base of the tower, the top of the flagpole is just visible, as shown.

Calculate the height of the tower.

P

20 m

RE
4