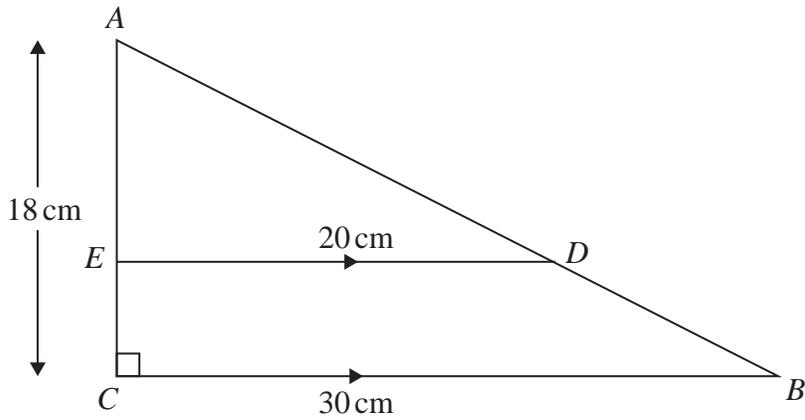


8 ABC is a right-angled triangle.



AEC and ADB are straight lines.

ED is parallel to CB .

(a) Prove that triangle ABC is similar to triangle ADE .

(2)

$$ED = 20 \text{ cm} \quad CB = 30 \text{ cm} \quad AC = 18 \text{ cm}$$

(b) Work out the length of EC .

..... cm

(3)