Day 6: Solve problems involving similar triangles

12.
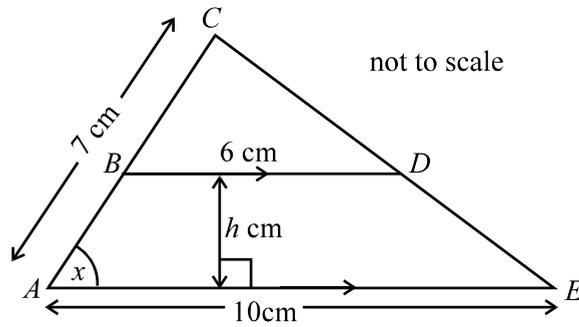
Triangles *ACE* and *BCD* are similar. *BD* is parallel to *AE*.

AE is 10 cm,   *BD* is 6 cm,   *AC* is 7 cm.

(a)   Calculate the length of *BC*.

    ....

    ....

    ....

    (3)

(b)   The area of the trapezium *ABDE* is 20 cm².

    (i)   Calculate the value of *h*.

    ....

    ....

    (2)

    (ii)   Calculate the size of the angle *x*.

    ....

    ....

    (3)