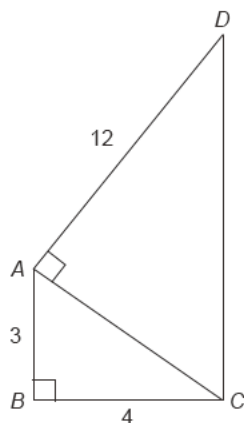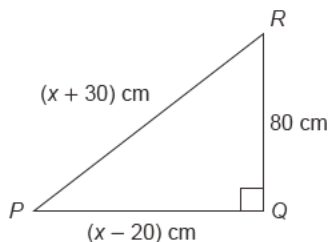# Pythagoras' Theorem

2. In the figure, $\angle ABC = \angle DAC = 90°$, $AB = 3$, $BC = 4$ and $AD = 12$.

    (a) Find the length of AC.

    (b) Find the length of CD.

3. Find the length of PQ in the figure.

4. Express the length of PQ in terms of y and surd form.