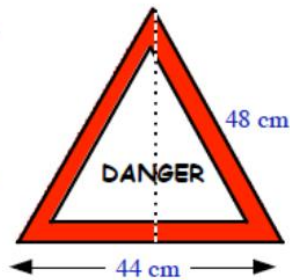


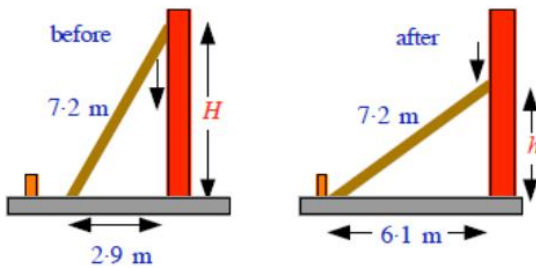
Topic 13 – Pythagoras

1. This warning sign is in the shape of an **isosceles triangle**.

Calculate the height of the sign.

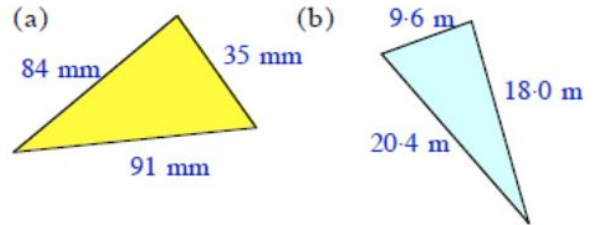


2. A ladder was leaning against a wall. It began to slide away from the wall, but it stopped when its base came to rest against a smaller wall.

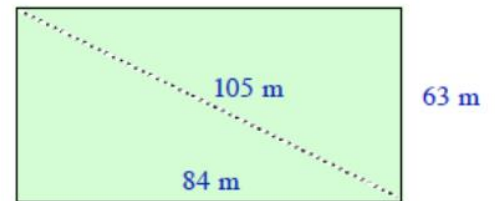


- Calculate the original height (H) of the top of the ladder above the ground.
- Calculate the new height (h) of the top of the ladder.
- By how many metres had the top of the ladder slipped?

3. Decide which of the following is/are right angled triangles, and which is/are not :-



4. A groundsman wishes to make sure the football pitch is "square" (its corners are at 90°).



To check, he measures the diagonal length. Is the pitch "square"?

5. Has this flagpole been erected correctly, so that it is vertical?

