





If you don't have a calculator, leave your answer as a square root

## Trigonometry



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**Example 3** A ladder of 4 metres in length is resting against a wall. The ladder makes an angle of  $60^{\circ}$  with the ground.

- (a) Find how high up the wall the ladder reaches, h.
- (b) Find the distance from the wall to the bottom of the ladder, d.







