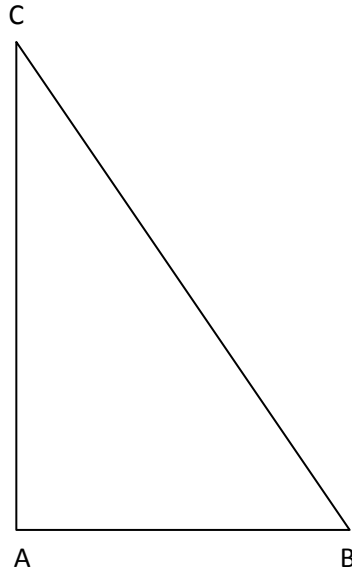


Application of trigonometry



The above set up is a ladder leaning on a wall. BC is the length of the ladder. AB is the distance of the wall from the foot of the ladder. AC is the height of the wall (from the floor to where the ladder is touching the wall).

$$\hat{A}BC = 60^\circ$$

The distance from the wall to the foot of ladder is 2m ($AB = 2\text{m}$)

Find the height of wall (AC)

Find the length of ladder.