

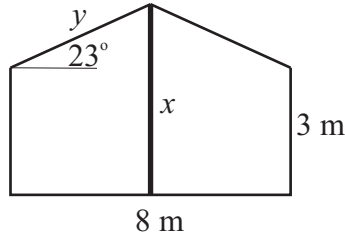
Name: _____

Give all answers correct to one decimal place.

1. A 3.5 m long ladder is resting against a wall making an angle of 70° to the ground.
(a) How far is the foot of the ladder from the wall?

- (b) How far up the wall is the top of the ladder?

2. The angle of the roof on a shed is 23° as shown below.
The shed is 8 m wide and the walls are 3 m high.



- (a) Find the length, y , of one side of the roof.

- (b) Find the height, x , of the centre pole in the shed.

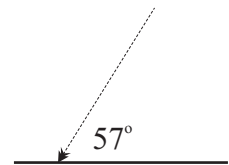
3. A plane flies 4500 km in a direction N 38° W.
(a) Draw a diagram showing the direction taken by the plane.



- (b) How far north has the plane travelled?

- (c) How far west has the plane travelled?

4. On a particular day the sun's rays made an angle of 57° with the ground.



- (a) Gemma is 163 cm tall. How long was her shadow?

- (b) The shadow of a tree was 6.7 m long. How tall was the tree?