

A helicopter is at a height from the ground when it observed a ship below. The helicopter then flies horizontally and the angle of depression from the helicopter to the ship is 30° . The helicopter then flies vertically down to the ship. The angle of depression from the helicopter to the ship is 60° . Find the height of the helicopter from the ground.



14. A helicopter is at a height from the ground when it observed a ship below. The helicopter then flies horizontally and the angle of depression from the helicopter to the ship is 30° . The helicopter then flies vertically down to the ship. The angle of depression from the helicopter to the ship is 60° . Find the height of the helicopter from the ground.



15. A helicopter is at a height from the ground when it observed a ship below. The helicopter then flies horizontally and the angle of depression from the helicopter to the ship is 30° . The helicopter then flies vertically down to the ship. The angle of depression from the helicopter to the ship is 60° . Find the height of the helicopter from the ground.

- A. h
- B. $h \cos 30^\circ$
- C. $h \sin 30^\circ$
- D. $h \tan 30^\circ$
- E. $h \cot 30^\circ$

16. A helicopter is at a height from the ground when it observed a ship below. The helicopter then flies horizontally and the angle of depression from the helicopter to the ship is 30° . The helicopter then flies vertically down to the ship. The angle of depression from the helicopter to the ship is 60° . Find the height of the helicopter from the ground.



17. A helicopter is at a height from the ground when it observed a ship below. The helicopter then flies horizontally and the angle of depression from the helicopter to the ship is 30° . The helicopter then flies vertically down to the ship. The angle of depression from the helicopter to the ship is 60° . Find the height of the helicopter from the ground.

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