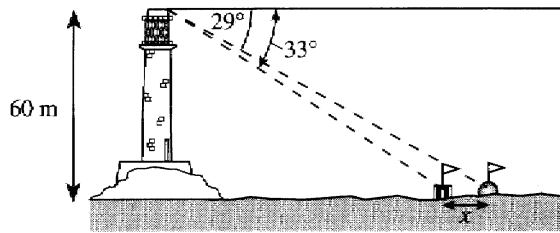


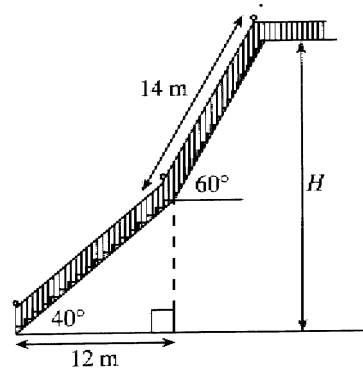
Trigonometry Problems

1 A lighthouse is 60 m high. From its top, the angles of depression of two buoys due North of it are 33° and 29° . How far apart are the buoys?

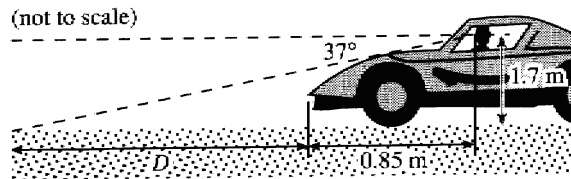


2 Calculate the height H of these stairs.

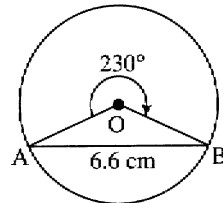
3 A is due North of B and C is 215km East of the line AB. An aeroplane flies from A to C on a bearing of 144° and from C to B on a bearing of 252° . Find the distance it travels.



4 (a) Calculate the car driver's 'blind' distance D .
(b) Why is this distance important in the car design?

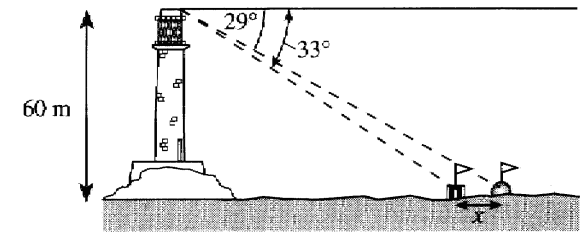


5 Calculate (a) OB (b) the area of triangle AOB .



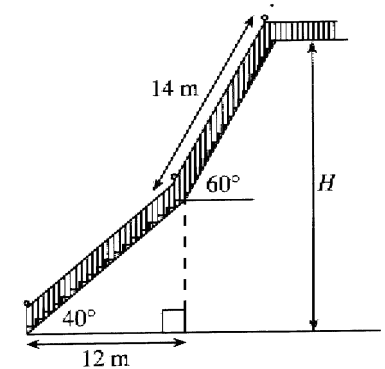
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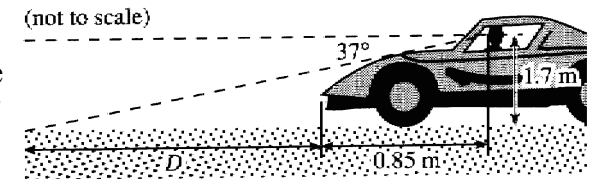


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