19 *ABCD* is a horizontal rectangular field.

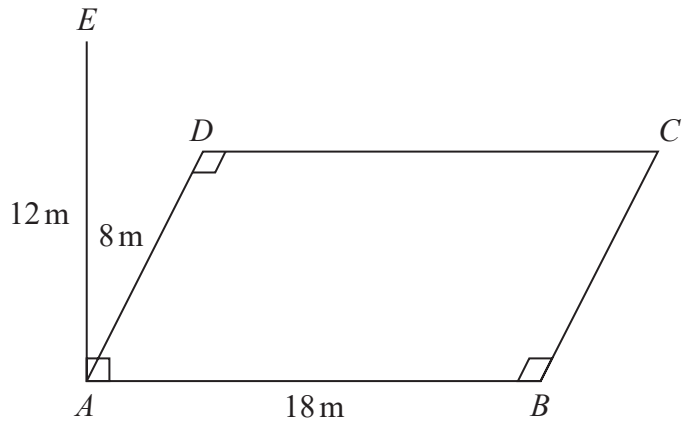


Diagram **NOT** accurately drawn

A vertical pole, *AE*, is placed at the corner *A* of the field.

$AE = 12\,\text{m}$ $AB = 18\,\text{m}$ $AD = 8\,\text{m}$

Calculate the size of the angle between *EC* and the plane *ABCD*
Give your answer correct to one decimal place.

.....°

(Total for Question 19 is 3 marks)

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