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The proportion of vegans in a city is thought to be 8%

The owner of an organic food café in this city believes that the proportion of their customers who are vegan is greater than 8%

To test this belief, a random sample of 50 customers at the café were interviewed and it was found that 7 of them were vegan.

Investigate, at the 5% level, whether this sample supports the owner's belief.

[5 marks]