WS5.10 A Claim

A dru A nev	lem 1: Ig company claims that their new drug relieves migraine 70% of the time. If was a spaper investigates this claim by getting migraine sufferers to try the new drug. They get 100 ts that say it relieves migraine 62% of the time.
What could the newspaper say about this? What could the newspaper headline be?	
Prob	lem 2:
A tea	Icher claims that 30% of second level students in Ireland are 180 cm or taller. If we treat the 200 results from our school as the results of a simple random sample of all second level students then what is the overall margin of error of the survey, at 95% confidence?
(ii)	Of the students in the sample above, 34 are 180 cm or taller. Is this sufficient evidence to reject the teacher's claim, at the 5% level of significance?