Comparing proportions (contingency table analysis)

Israel's National Soccer Team wishes to compare its performances in Israel home field versus abroad games. For this purpose, the following winning/loosing scores were collected.

Score \ Field	Israel	Abroad	Total
Won	45 60*76/108 = 42.22	31 48*76/108 = 76-42.22 = 33.78	76
Lost	15 60-42.22=17.78	17 32-17.78 = 14.22	32
Total	60	48	108

1. State the hypothesis for testing whether the location effects the group's performance.
2. Calculate the expected frequencies table.
3. Calculate the cell χ^2 and the overall χ^2.
4. At 5% significance, would you say that the location effects the group's performance?

1. H_0: $P_{i,Israel}=P_{i,abroad}$
   H_1: $P_{i,Israel}!=P_{i,abroad}$
2. $E_{ij} = n_j*t_i/n$
3. $X^2 =1.387$
4. $1.387<3.84$ משמרים את H_0, ההתפלגות דומה בין קבוצות המדגם.