Test 4 SHORT ANSWER QUESTIONS – THE ANSWERS

1. yes
2. no
3. no
4. 1
5. 1
6.  with 24 degrees of freedom
7. division
8. *F* with 9 degrees of freedom on the top and 7 degrees of freedom on the bottom
9. *xp(x)*
10. the mean
11. one
12. the variance
13. how far a piece of data is from the mean
14. on average how far the data is from the mean
15. yes
16. the squares of how far the data are from the mean
17. the square root of the average of the squares of how far the data are from the mean
18. normal
19. 0
20. 1
21. how many games were both wins and at home
22. how many games were at home
23. divide by total
24. F
25. F
26. B has no effect on the chances of A
27. independent
28. P(X)
29. multiple how many choices at each step
30. 
31. (42)(41)(40)(39)(38)(37)
32. 6!
33. (42)(41)(40)(39)(38)(37)/6!
34. lottery formula
35. multiplying in a tree diagram
36. 5.5 to 6.5
37. number of failures
38. how many ways you can get *k* successes in *n* trials
39. average number of successes
40. average number of failures