

## Discrete House Inspection Report

Pages 399-400

22. Customer's name:

Give yourself 1 point for getting the correct answer, and 1 point for an explanation of your solution, for a total possible of 2 points.

24. Find the probability of winning the lottery by selecting the correct six integers, where the order in which these integers are selected does not matter, from the positive integers not exceeding

- a) 30.
- b) 36.
- c) 42.
- d) 48.

For each part (a-d), give yourself 1 point for getting the correct answer, and 1 point for an explanation of your solution, for a total possible of 8 points.

26. said that the house square footage was:

- a) 40.
- b) 48.
- c) 56.
- d) 64.

For each part (a-d), give yourself 1 point for getting the correct answer, and 1 point for an explanation of your solution, for a total possible of 8 points.

40. Suppose that instead of three doors, there are four doors in the Monty Hall puzzle. What is the probability that you win by not changing once the host, who knows what is behind each door, opens a losing door and gives you the chance to change doors? What is the probability that you win by changing the door you select to one of the two remaining doors among the three that you did not select? Give yourself 2 points for the correct answer, another 2 points for a well-thought-out argument for your answer, and another 2 points for a well-articulated argument for your answer, for a total possible of 6 points. Extra features of customer's house include:

Ea vix bonorum sanctus appetere, usu sententiae necessitatibus at. Qui ut discere noluisse, facilis accusamus ei his, in duo ridens qualisque consequuntur. No iuvaret concludaturque qui, amet velit vim eu. Id vim alia veniam soleat. Pri elit erat poste a eu, ei magna ullum his, an est possim electram periculis.

Sea ea movet clita deterrisset. Te vim probatus ullamcorper, cum no dicit phaedrum, ei dicant vidisse eos. Dico voluptatibus no eam. Ne eum soluta graeci pericula.

Eu sea rebum omnium, qui no clita option, ne sententiae deterrisset mei. Vel ut eros rationibus. Ex solet timeam delenit ius, his ex habemus omittam noluisse, ei consula tu patrioque dissentias pro. Vivendo molestie eleifend eu nec. Usu laoreet patrioque interpretaris ea, malis altera id eum. Habeo nominavi ea ius, doming dolorum voluptua ut his.

Sit eu quodsi sententiae scriptorem. Cum antiopam petentium repudiandae ne, ne  
placerat conceptam dissentias sea, ad agam qualisque pro. Solet facilisis mei et. Id  
stet summo facete eos, ad recteque persequeris pri, laoreet fierent detraxit pri in.  
Ut mutat dicunt cum.