Problem (1)

Need answers to a. and b

Let http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/M?Band http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/M?Abe two events such that http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/M?S%2BB%2A%23%3E%233%2D11and http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/M?S%2BA%2A%23%3E%233%2D21 .

(a) Determine http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/M?S%23%2BB%23%25%60vs%23A%2A , given that http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/M?Band http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/M?Aare mutually exclusive .

(b) Determine http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/M?S%23%2BB%23%25%60vs%23A%2A , given that http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/M?Band http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/M?Aare independent .

Do not round your responses.

a.

b.

Problem (2)

Suppose that http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/M?Band http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/M?Aare independent events such that http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/M?S%23%2BB%2A%23%3E%233%2D43and http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/M?S%23%2B%3Fbaluf%23pznalo%3Eoltojmf%3DA%3F%2Cbaluf%3D%2A%23%3E%233%2D23 .

Find http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/M?S%2BB%23%25%60bs%23A%2Aand http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/M?S%2BB%23%25%60vs%23A%2A

Problem (3)

Which of the following variables are best thought of as continuous, which discrete? Indicate your choice for each by checking the appropriate column. Discrete or Continuous

Variable Discrete Continuous

a. The number of children in a household

b. The temperature of a burrito served to a

Customer in a local Mexican restaurant.

c. The number of insects feeding on a tree.

d. The number of personal telephone calls

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