Math	11	5 -	$\mathbf{Quiz}$	8
October	30,	201	4	

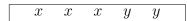
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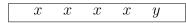
Score \_\_\_\_\_

Show all work to receive full credit. Supply explanations when necessary.

1. (2 points) A card is drawn at random from a standard deck of playing cards. Let A be the event of drawing a face card, and let B be the event of drawing a queen. Compute P(A|B) and P(B|A). Be sure to indicate which is which.

2. (3 points) A letter is selected at random from the first box and placed into the second box. Then a letter is selected at random from the second box.





Sketch the complete tree diagram for this experiment. Include the probabilities of each path.