Outside of Class

MS: Laws of Probability WS Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Block:\_\_\_\_\_\_\_

1. Events *A* and *B* have probabilities P(*A*) = 0.4, P (*B*) = 0.65, and P(*A*  *B*) = 0.85.

(a) Calculate P(*A*  *B*).

(b) State with a reason whether events *A* and *B* are independent.

(c) State with a reason whether events *A* and *B* are mutually exclusive.

(Total 6 marks)