

NAME: _____

P.I. A.S.23: Calculate the probability of two events that are not mutually exclusive

1. If two events are not mutually exclusive, can they be complementary? Explain your answer.

Answers may vary. Sample: No; two events are complementary if one event includes all the outcomes that are not in the other. If two events are not mutually exclusive, then at least one outcome appears in

[1] both. Since an outcome cannot be in and not in an event at the same time, the statement is not true.
