

NAME: \_\_\_\_\_

*P.I. A.S.23: Calculate the probability of a series of independent events*

1. Describe independent events. Give an example of two independent events.

2. Describe two events  $E$  and  $F$  such that  $P(E \text{ or } F) = \frac{5}{12}$ .

Answers may vary. Sample: Two events are independent if the outcome of one does not affect the outcome of the other. Example: tossing a coin and rolling a number cube.

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Answers may vary. Sample: Let  $E$  be spinning a "1" on a spinner divided into four equal parts, numbered 1 through 4. Let  $F$  be rolling a die and getting a 6.

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