

## Self-Check 3.1

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Row: \_\_\_\_\_

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1. A fair, six-sided die is rolled.

Describe the sample space  $S$  =

Identify each of the following events with a subset of  $S$  and compute its probability.

- a. Event  $T$  = the outcome is two.
- b. Event  $A$  = the outcome is an even number.
- c. Event  $B$  = the outcome is less than four.
- d. The complement of  $A$ .
- e.  $A$  GIVEN  $B$
- f.  $B$  GIVEN  $A$
- g.  $A$  AND  $B$
- h.  $A$  OR  $B$
- i.  $A$  OR  $B'$
- j. Event  $N$  = the outcome is a prime number.
- k. Event  $I$  = the outcome is seven.

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