

Exemplar - 11.16.3.39

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Question: Let $S = \{1, 2, 3, 4, 5, 6\}$ and $E = \{1, 3, 5\}$, then \overline{E} is

Solution: In the sample space S :

$$E + \overline{E} = S \quad (1)$$

$$\overline{E} = S - E \quad (2)$$

$$\overline{E} = \{1, 2, 3, 4, 5, 6\} - \{1, 3, 5\} \quad (3)$$

$$\overline{E} = \{2, 4, 6\} \quad (4)$$