

Suppose an experiment has sample space $S = \{a, b, c, d, e, f\}$ and define the events $U = \{a, b, d, e\}$, $V = \{c, e, f\}$, and $W = \{a, e\}$. If $P(U) + P(V) = 7/5$ and $P(W) = 1/2$, then what is $P(\{a\})$?

- (a) $1/10$
- (b) $1/5$
- (c) $1/20$
- (d) $2/5$
- (e) $3/10$
- (f) $1/2$
- (g) 0
- (h) $3/10$
- (i) $3/20$
- (j) $3/5$
- (k) $1/6$
- (l) None of these