

103. In a small metropolitan area, annual losses due to storm, fire, and theft are assumed to be independent, exponentially distributed random variables with respective means 1.0, 1.5, and 2.4 .

Determine the probability that the maximum of these losses exceeds 3.

- (A) 0.002
- (B) 0.050
- (C) 0.159
- (D) 0.287
- (E) 0.414