

179. The time to an accident follows an exponential distribution. A random sample of size two has a mean time of 6.

Let Y denote the mean of a new sample of size two.

Determine the maximum likelihood estimate of $\Pr(Y > 10)$.

- (A) 0.04
- (B) 0.07
- (C) 0.11
- (D) 0.15
- (E) 0.19