

- 14.** The information associated with the maximum likelihood estimator of a parameter θ is $4n$, where n is the number of observations.

Calculate the asymptotic variance of the maximum likelihood estimator of 2θ .

- (A) $\frac{1}{2n}$
- (B) $\frac{1}{n}$
- (C) $\frac{4}{n}$
- (D) $8n$
- (E) $16n$