

**143.** The parameters of the inverse Pareto distribution

$$F(x) = \left[ x / (x + \theta) \right]^\tau$$

are to be estimated using the method of moments based on the following data:

15      45      140      250      560      1340

Estimate  $\theta$  by matching  $k$ th moments with  $k = -1$  and  $k = -2$ .

- (A) Less than 1
- (B) At least 1, but less than 5
- (C) At least 5, but less than 25
- (D) At least 25, but less than 50
- (E) At least 50