

Student ID \_\_\_\_\_

Name \_\_\_\_\_

1. Sampling frame is defined as (2)

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2. In SRSWR  $E(s^2) =$  \_\_\_\_\_ and in SRSWOR  $E(s^2) =$  \_\_\_\_\_. (1)

3. Give a real life example (that is not discussed in the class) of Auxiliary Variable. (2)

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4. For an estimator  $\hat{\theta}$ ,  $MSE(\hat{\theta}) = Var(\hat{\theta}) - [Bias(\hat{\theta})]^2$ . True / False (1)





