Practice worksheet | Sampling and confidence intervals

Standard error

Name: _____ Date: _____

6 questions | 12 marks

1. Find standard error for standard deviation 35 cm and $n = 49$. [2 marks]

2. Population variance is 144. Find standard error when $n = 36$. [2 marks]

3. Standard error is 0.6 and $n = 81$. Recover population standard deviation. [2 marks]

4. For standard deviation 10, find the smallest n giving standard error at most 1.2. [2 marks]

5. A report calls $\frac{8}{\sqrt{400}} = 0.4$ the population SD. Correct it. [2 marks]

6. Compare standard errors for $n = 25$ and $n = 100$ from one population. [2 marks]