

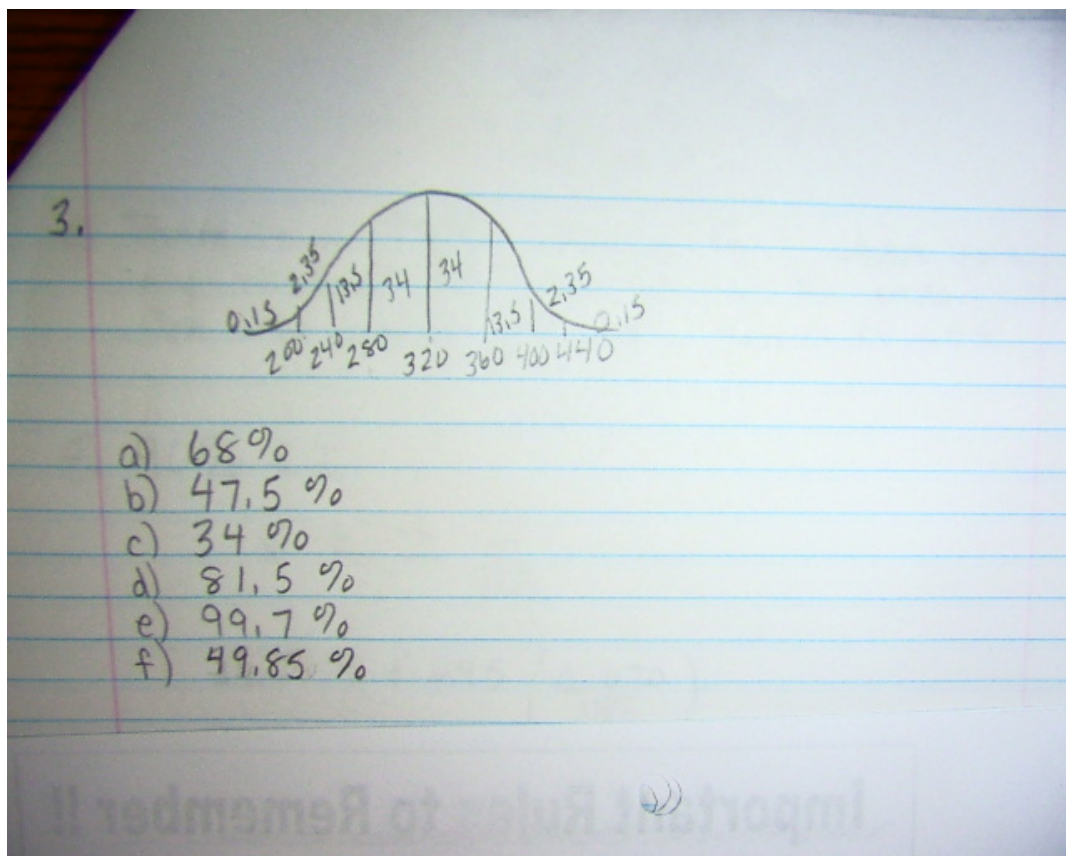
2 a) chosen from population "Grade 11"

b) $\bar{x} = 7.7$

c) median = 8

d) $s_x = 4.6$

f) Be larger.



7. a) $\bar{x} = 34.67$

b) Point estimate

c) 95% Confidence:

$$\bar{x} \pm Z \frac{\sigma}{\sqrt{n}}$$

$$34.67 \pm 1.96 \left(\frac{0.070}{\sqrt{30}} \right)$$

$$34.67 \pm 1.96 (0.013)$$

$$34.67 \pm 0.025$$

$$\begin{array}{ccc} 34.67 - 0.025 & & 34.67 + 0.025 \\ 34.645 \leq \mu \leq & & 34.695 \end{array}$$

d) $\mu = 35$ No, it does not.

