№3.

$$\bar{x} = \frac{9+5+7+7+4+10}{6} = 7$$

доверительный интервал $(\bar{x}-\delta, \bar{x}+\delta)$

$$1 - \frac{\alpha}{2} = 0,995 \Rightarrow Z_\alpha = 2,58$$

$$\delta = \frac{\sigma}{\sqrt{n}} Z_\alpha = \frac{1}{\sqrt{6}} \cdot 2,58 \approx 1,05$$

$$\Downarrow$$

Ответ: $(7-1,05; 7+1,05) = (5,95; 8,05)$