6-10.

$$n_1 = 250$$
, $\bar{x} = 14.5$, $S_1 = 3.5$
 $n_2 = 180$, $\bar{y} = 20.8$, $S_2 = 3.8$

(1) $\bar{x} - \bar{y} = 14.5 - 20.8 = -6.3$

(2) $(\bar{x} - \bar{y}) - Z_{\infty} = \frac{S_1^2}{n_1} + \frac{S_2^2}{n_2} + \frac{S_2^2}{n_1} + \frac{S_2^2}{n_2} + \frac{S_2^2}{n_1} + \frac{S_2^2}{n_2} + \frac{S_2^2}{n_1} + \frac{S_2^2}{n_2} +$