Nicholas Boys

$$()$$

$$\overline{X}_1 - \overline{X}_1 \stackrel{t}{=} \frac{1}{2} \sqrt{\frac{S_1^2}{h_1} + \frac{S_2^2}{h_2}}$$

We are 95 % confident from the Arme meen difference 1:15 between 0.1059 and 0.1541

b)
$$t + 15t \le 16t \le 16t$$

$$t = -2.146$$

$$\frac{\overline{X}_1 - \overline{X}_2}{h_1 + h_2}$$

$$\frac{4.61 - 6.68}{\sqrt{\frac{3.45}{23}}}$$

$$\frac{3.45}{23}$$