Assignment 2   Graham Ford   0679576

Q(6) $t = \dfrac{r}{\sqrt{\dfrac{1-r^2}{n-2}}}$ $\quad t^2 = \left(\dfrac{r}{\sqrt{\dfrac{1-r^2}{n-2}}}\right)^2$ $\quad r^2 = R^2$

$$= \frac{r^2}{\dfrac{1-r^2}{n-2}} = \frac{r^2(n-2)}{1-r^2} = \frac{R^2(n-2)}{1-R^2} = F$$

$\therefore t^2 = F$