A random sample of 8 elephants from region A is taken and their weights, x tonnes, are recorded. (1 tonne = $1000 \,\mathrm{kg}$.) The results are summarised as follows.

$$\Sigma x = 32.4$$
 $\Sigma x^2 = 131.82$

A random sample of 10 elephants from region B is taken. Their weights give a sample mean of 3.78 tonnes and an unbiased variance estimate of 0.1555 tonnes². The distributions of the weights of elephants in regions A and B are both assumed to be normal with the same population variance. Test at the 10% significance level whether the mean weight of elephants in region A is the same as the mean weight of elephants in region B.