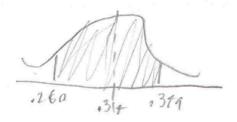
3.
$$\frac{91 - 83}{4 \cdot 3} = 1 \cdot 860$$

t score ef 88 is a better score bleause it results in a lugher t-score than a sure of 91 does. A higher t-score implies a higher percentile

4. (a) The correct answer is (i)

Yes. In that case, M, - M2 will be O and this value falls within the confidence interval

5. (a)
$$\frac{217}{669} = .314$$



(c) The correct answer is (iv)

(b) N=150 the larger the sample size the smaller standard error is

A type II error would mean that we concluded that the average spring water pH is Not different than 7 when it actually is

(d) We fail to reject the null hypothesis.