





a)  $H_0: H_0$  is rejected

$H_a:$

$$b) t = \frac{5.5 - 4}{\frac{0.5635}{\sqrt{8}}} = 7.5291$$

c) Critical value: 3.499

d) Conclusion: The avg is not equal to  $\mu_0$   
 $7.5291 > 3.499$   $t$  is bigger than critical value,