Tod Johnson (a) Tobs = 124-110 = 1.265001 (2) 1 10 6 transcor = 13.25 - = (0= </ > dence to a < Tobe < tod V : Fail to reject Ho (b) Tobs = 0.6-0.5 = 1.414 Ev= 7 0= 0.05 = 2.365 -tra < Tobs < tra / : Fail to reject Ho (c)  $T_{obs} = \frac{33.4-30}{6.8425} = 2.5$ ty= 24, x=0.1 = 1.318 Tobs < tva X =. Reject the He and accept the Ha

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(a)  $Y \sim N(SS, 100)$   $Z = \frac{70-SS}{1100} = 1.S$  $\therefore P(Y > 70) = 1-6.933 = 0.067$ 

(b) P(Exactly one student) = 0.067x(1-0.067)9=0.036

(c)  $Z = \frac{60-55}{10/50} = 1.58$  $P(\overline{x} > 70) = 1-0.943 = 0.057$ 

H Joseph