

Answer Key

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Testname: FINAL EXAM REVIEW - STATISTICS FOR DUAL ENROLLMENT

32) 3.36

33) right-tailed

34) Correct decision

35) $H_0: \mu = 5, H_1: \mu < 5$

36) (452, 486)

37) (4.9, 6.5)

38) (0.441, 0.552)

39) 2.38, H_0 not rejected

40) i). $H_0: \mu = 35,500, H_1: \mu \neq 35,500$

ii). 2.981; 11 degrees of freedom

iii). Reject H_0 . The mean annual tuition and fees appears to be different from \$35,500.

41)

42) Yes

43)

44)

45) i). $H_0: \mu_d = 0, H_1: \mu_d \neq 0$

ii). 0.889

iii). Do not reject H_0 . There is insufficient evidence to conclude that the mean difference differs from zero.

46) 0.165

47) 0.127

48) $y = 2.2943x + 12.3590$

49) $y = -2.0000x + 6.2667$

50) Reject H_0 .

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51)