Name: _____ Date: _____

Workshop comparison 1

Use this workshop table to compare completion rates. All rows have positive totals. The table gives no information about assignment to centers.

Center	Completed	Did not complete	Total
North	14	6	20
South	9	11	20
East	18	12	30
West	9	1	10
Total	50	30	80

(a) Find the overall probability of completion, rounded to four decimal places.

(b) Find the completion probability within EACH center, rounded to four decimal places.

(c) Are center and completion independent in this table? Compare at least two conditional probabilities with the overall probability.

(d) Can this table establish that the center CAUSED a change in completion? Explain.

Workshop comparison 2

Use this workshop table to compare completion rates. All rows have positive totals. The table gives no information about assignment to centers.

Center	Completed	Did not complete	Total
North	18	12	30
South	12	8	20
East	6	4	10
West	24	16	40
Total	60	40	100

(a) Find the overall probability of completion, rounded to four decimal places.

(b) Find the completion probability within EACH center, rounded to four decimal places.

(c) Are center and completion independent in this table? Compare at least two conditional probabilities with the overall probability.

(d) Can this table establish that the center CAUSED a change in completion? Explain.

Workshop comparison 3

Use this workshop table to compare completion rates. All rows have positive totals. The table gives no information about assignment to centers.

Center	Completed	Did not complete	Total
North	8	0	8
South	3	7	10
East	4	6	10
West	5	7	12
Total	20	20	40

(a) Find the overall probability of completion, rounded to four decimal places.

(b) Find the completion probability within EACH center, rounded to four decimal places.

(c) Are center and completion independent in this table? Compare at least two conditional probabilities with the overall probability.

(d) Can this table establish that the center CAUSED a change in completion? Explain.