

MATH 3160 - Probability - Fall 2017
Self-graded not-for-credit quick 8 minute Quiz

5 people, including A and B, take part in a meeting, seated in a row.

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(a) How many ways can the 5 people be seated so that A and B sit together?

(b) How many ways can the 5 people be seated so that A and B do NOT sit together?

(c) During this meeting, they will elect 3 of their own members to a committee. How many possible committees can be formed in which A and B serve together?

(d) During this meeting, they will elect 3 of their own members to a committee. How many possible committees can be formed in which A and B do NOT serve together?