

36. Work on problems 1–3 and 15–21 of Section 4.6 in the textbook.

37. Show that  $\binom{n}{k} + \binom{n}{k+1} = \binom{n+1}{k+1}$ .

38. Work on problems 1, 2, 13, and 15 of Section 4.7 in the textbook.

39. Work on problems 1–6 of Section 4.8 in the textbook.