• We draw a curve by attaching a pen to the circumference of a circle (say of radius one) and rolling it around the circumference of another (fixed) circle of equal radius.
  (a) Parameterize the resulting curve.
  (b) Determine the total length of the curve.

• From Section 12.1: 66, 76
• From Section 14.1: 12.
• From Section 14.2: 30, 56, 63
• From Section 14.3: 18, 35, 39, 40.
• From Section 14.4: 4, 8, 22.