1. From the textbook, solve the following problems: 4.2.

2. Consider the schema of exercise 4.3 in the book, and write the following queries in relational algebra. Assume the address field is the name of a city.

   (a) Find the pid of parts who are supplied by some supplier in Goleta.
   (b) Find the pname of parts who are supplied by some supplier in Santa Barbara AND Goleta.
   (c) Find the pname of parts supplied by every Goleta supplier.
   (d) Find the pid of all red parts supplied by a supplier in Goleta.
   (e) Find the sids of suppliers who supply only red parts.
   (f) Find the color of all parts supplied by suppliers in Goleta OR Santa Barbara.
   (g) Find the pids of parts that are supplied by every supplier.
   (h) Find the pid of parts supplied by every Goleta or SB supplier.
   (i) Find the pname of parts supplied by all Goleta suppliers or all SB suppliers.
   (j) Find the sids of suppliers who supply at least two different red parts.
   (k) Find the sid of suppliers who supply the most expensive part.
   (l) Find the pnames of parts supplied by OSH and no one else.