Here is the answer assuming dynamic scoping is

a. a, x, and w from sub3 (local), b and z from sub2(nonlocal), y from sub1 (nonlocal)

b. a, x, and w from sub3 (local), y and z from sub1 (nonlocal)

c. a, y, and z from sub1 (local), x and w from sub3 (nonlocal), b from sub2 (nonlocal)

d. a, y, and z from sub1 (local), x and w from sub3 (nonlocal)

e. a, b, and z from sub2 (local), x and w from sub3 (nonlocal), y from sub1 (nonlocal)

f. a, y, and z from sub1 (local), b from sub2 (nonlocal), x and w from sub3 (nonlocal)

Here is the answer assuming static scoping

a. a, x, and w from sub3 (local), y and z from sub2(nonlocal), b from sub1 (nonlocal)

b. a, x, and w from sub3 (local), y and z from main (nonlocal)

c. a, y, and z from sub1 (local), x from main (nonlocal), b from sub2 (nonlocal), w from sub3 (nonlocal)

d. a, y, and z from sub1 (local), x from main (nonlocal), w from sub3 (nonlocal)

e. a, b, and z from sub2 (local), x and y from main (nonlocal), w from sub3 (nonlocal)

f. a, y, and z from sub1 (local), x from main (nonlocal), w from sub3 (nonlocal), b from sub2 (nonlocal)