1. H = [1 0; 0 9];

f = [3.2; -6];

A = [-1 -3; 2 5; 3 4];

b = [-15; 100; 80];

lb = zeros(2,1);

1. The outcome is:

x (final point) = 4.9000, 3.3667

fval (function final value)= 58.4900

1. The outcome is:

x1 = 4.9000, 3.3667

that is same as that in (b).