1. Domain: (-infinity, ½) U (1/2, infinity)
2. Range: (-infinity, infinity)
3. (f+g)(2) = f(2) + g(2) = 4/2(2)-1 + 2(2)+9 = 4/3 + 13 = 43/3
4. Let f-1(x) = y

f(y) = x

4/2y-1 = x

2y-1 = 4/x

2y = 4/x + 1

y = 4/2x + ½

f-1(x) = 4/2x + ½

1. f[g(x)] = f(2x+9) = 4/2(2x+9)-1 = 4/4x+18-1 = 4/4x+17