a) (6.2 x 10^20) x (3.8 x 10^-18) = 6.2 x 3.8 x 10^(20+(-18)) = 6.2 x 3.8 x 10^2 = 23.56 x 10^2 =2.356 x 10^3

b) (600) x (10 x 10^8) = 600 x 10 x 10^8 = 6000 x 10^8 = 6 x 10^3 x 10^8 = 6 x 10^(8+3) = 6 x 10^11

c) 5.4 x 10^-12 divide by 3.1 x 10^-15 = (5.4 / 3.1) x 10^(-12 – (-15)) = 1.741935484 x 10^3