7.19

В) [tex]x ^{1/22}* x^{1/4} * x^{1/8}* x^{1/16}  : x^{11/16}  = x^{15/16} : x^{11/16} = x^{4/16}= x^{1/4}   [/tex]

Г) [tex]...= \sqrt[15]{(x-y)^3/(y-x)} = \sqrt[15]{-(x-y)^2}= \sqrt[15]{2xy-x^2-y^2}  [/tex]

7.17

В) 3 ^{1/2} *3 ^{1/8} *3 ^{1/24} =3 ^{12/24+3/24+1/24} =3 ^{16/24} =3 ^{2/3}= \sqrt[3]{9}  

Г) (2/3) ^{1/3} *(3/2) ^{1/9} *(2/3) ^{1/18}=(2/3) ^{7/18} *(3/2) ^{1/9} =[(2/3) ^{1/9}*(3/2)  ^{1/9} ]*(2/3) ^{5/18} =1*(2/3) ^{5/18} = \sqrt[18]{(2/3)^5} 