4)

1. $\frac{x-y^{0.5}x^{0.5}}{x^{0.5}-y^{0.5}}=\frac{x^{0.5}(x^{0.5}-y^{0.5})}{x^{0.5}-y^{0.5}}=x^{0.5}$
2. $\frac{a-b}{a+2a^{\frac{1}{2}}b^{\frac{1}{2}}+b}=\frac{(a^{\frac{1}{2}}-b^{\frac{1}{2}})(a^{\frac{1}{2}}+b^{\frac{1}{2}})}{(a^{\frac{1}{2}}+b^{\frac{1}{2}})^{2}}=\frac{(a^{\frac{1}{2}}-b^{\frac{1}{2}})}{(a^{\frac{1}{2}}\mp )}$