







a)
$$(a+b)^{*}(a+\epsilon)b^{*}$$

= $(a+b)^{*}b^{*}$
= $(a+b)^{*}$
b) $(a+b)^{*}a^{*}+b$
= $(a+b)^{*}+b^{*}$
= $(a+b)^{*}$
= $(a+b)^{*}$
= $a^{*}(b^{*}(a+b)^{*})(a+\epsilon)b^{*}a^{*}$
= $a^{*}(a+b)^{*}(a+\epsilon)b^{*}a^{*}$
= $(a+b)^{*}(a+\epsilon)b^{*}a^{*}$
= $(a+b)^{*}(a+\epsilon)b^{*}a^{*}$

= (a+b) *b*a* = (a+b)8







