Quiz 2 from Spring 2021 solutions:

1. $\Sigma=\{a, b\}$
$Q=\{\{1\},\{2\},\{3,4\},\{4\}\}$
$\mathrm{q}_{\mathrm{o}}=\{1\}$
$\delta=\{(\{1\}, \mathrm{a},\{3,4\}),(\{1\}, \mathrm{b},\{2\}),(\{2\}, \mathrm{b},\{3,4\}),(\{2\}, \mathrm{a},\{4\})\}$
$F=\{\{3,4\},\{4\}\}$
2. $\left(b+a b^{*}\right)+$

Accepts bbaba, babbaba, bbbab.
3. The third one is correct.
4. For cc: $(3, \varepsilon, 5)$

For ab: $(4, \varepsilon, 6)$
For abaaba: $(6, \varepsilon, 1)$
(there are other correct answers)

