Sample onswer for
$$\Pi WS_1 \cap A = (a|b)^*$$

 $M_A = \rightarrow 1 \xrightarrow{\alpha} (2)$

 $M_R = \rightarrow 3 \rightarrow 4$

(C) Given (2b), (A), and (B), M_c generates [(a|b)]:

 $M_{c} = \frac{\epsilon}{3} \frac{1}{5} \frac{\alpha}{2}$

go to next page ->

(A) Given (2a), MA generates [a]:

(B) Given (2a), MB generates [b]:

(D) Given (2d) and (c), M_D generates
$$\left[\left(\begin{array}{c} a \mid b \end{array}\right)^{4}\right]$$
:

$$M_{D} = \begin{array}{c} & & \\ & \\ & \\ \end{array}$$

$$OED.$$

Note: The color-coding is not necessary in your answer.
It's there for didactic purposes.

(2) refers to (2) on the assignment.