11.7 Basic circuit drawing conventions

Designers follow several conventions when drawing digital circuits.

Figure 11.7.1: Circuit drawing conventions.
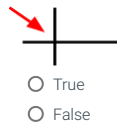

Convention	Illustration
Crossing wires only connect at filled circle.	
Inverter often drawn as circle at gate input.	
One output wire splitting is OK. Multiple input wires connecting is not.	
Input labels are sometimes duplicated to simplify a drawing.	
Gate inputs are not labeled (other components may be).	

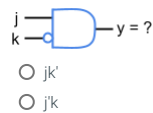PARTICIPATION ACTIVITY 11.7.1: Drawing circuits.
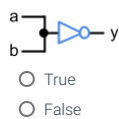
1) Wires connect.

○ True
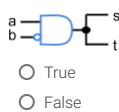○ False

2) Wires connect.

○ True
○ False

3) The gate's output is _____.

○ jk'
○ j'k

4) The wiring is OK.

○ True
○ False

5) The wiring is OK.

○ True
○ False

6) The label y is normally used for a gate output.

○ True
○ False

Provide feedback on this section