Quiz 2: E-R Modeling

Based ONLY on the coffee shop E-R schema below, indicate which of the following statements are TRUE and which are FALSE by circling the appropriate response. Each question is worth 0.5 point.

![E-R Schema Diagram]

- Barista = a coffeehouse employee who prepares espresso-based coffee drinks.

1. A customer can only order one cup of coffee.
   **TRUE**       **FALSE**

2. Each coffee can only have one flavor.
   **TRUE**       **FALSE**

3. No two cups of coffee can have the same roast and size.
   **TRUE**       **FALSE**

4. A coffee can be made by multiple baristas.
   **TRUE**       **FALSE**

5. Every customer must order coffee from the same one cashier.
   **TRUE**       **FALSE**
6. A barista can be uniquely identified by his/her skill.
   TRUE    FALSE

7. No two customers can order the same coffee roast.
   TRUE    FALSE

8. A staff must be either a barista or a cashier.
   TRUE    FALSE

9. A cashier can receive orders for multiple cups of coffee from one customer.
   TRUE    FALSE

10. Baristas and cashiers are the only kinds of staff allowed to work in this shop.
    TRUE    FALSE

11. Not all coffees have to be made by a barista.
    TRUE    FALSE

12. Some staff may have both a skill and an hourly rate.
    TRUE    FALSE

13. The exact same sort of coffee (based on its product_id, flavor, size, and roast) can have a different ordered price for different customers.
    TRUE    FALSE

14. Two baristas may both have trained at the same academy (e.g. “Starbux University”).
    TRUE    FALSE

15. An order does not have to include any coffee.
    TRUE    FALSE

16. Every cashier must process at least one order.
    TRUE    FALSE

17. It is mandatory for a coffee to include a flavor.
    TRUE    FALSE

18. It is possible to figure out which barista(s) contributed coffee to a given order.
    TRUE    FALSE

19. Two customers with the same name can order different coffee roasts.
    TRUE    FALSE

20. Only a very skilled barista can make multiple cups of coffee.
    TRUE    FALSE