

Name : \_\_\_\_\_

## Drawing Venn Diagram - With Universal Set

Draw: S2

Draw Venn diagram based on the data provided and answer the questions that follow.

- 1) The local pizzeria received orders for the following pizzas:
- 28 customers ordered for only cheese pizzas;
  - 37 customers placed orders exclusively for pepperoni pizzas;
  - 35 customers ordered for only chicken sausage pizzas;
  - 19 customers ordered for cheese and pepperoni pizzas but not chicken sausage pizzas;
  - 1 customer placed orders for chicken sausage pizzas and pepperoni pizzas but not for cheese pizzas;
  - 9 customers ordered for chicken sausage pizzas and cheese pizzas but not for pepperoni pizzas;
  - 2 orders were placed for all three types of pizzas; and
  - 3 customers at the pizzeria did not place orders for pizzas.

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- a) Find the number of customers who placed orders for only cheese pizzas. \_\_\_\_\_
- b) How many orders did the pizzeria receive for only pepperoni pizzas? \_\_\_\_\_
- c) Find the number of orders placed for only chicken sausage or pepperoni pizzas. \_\_\_\_\_
- d) How many orders were placed for only chicken sausage pizzas? \_\_\_\_\_
- e) Write down the number of orders that were placed for either pepperoni or cheese pizzas. \_\_\_\_\_
- f) How many orders were placed for either cheese or chicken sausage pizzas? \_\_\_\_\_
- g) Write down the orders that were placed for cheese and pepperoni pizzas. \_\_\_\_\_
- h) How many customers placed orders for chicken sausage and pepperoni pizzas but not cheese pizzas? \_\_\_\_\_