

CSCI 330 Lab 1

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1.
 - a. False. All keys are necessarily a super key.
 - b. True.
 - c. False. Each **column** is called an attribute.
 - d. False. **Rows** are known as tuples.
 - e. True.
 - f. True.
 - g. True.
 - h. True.

2.

X	Y	Z
3	5	100

3.

$$\sigma_{building=Taylor}(department) \bowtie \sigma_{salary \geq 80000}(instructor)$$

4.

$$\sigma_{Category=Electronics \wedge Price > 500}(Product)$$

5.

$$\Pi_{CustomerName, PhoneNumber}(Customers)$$

6.

$$\Pi_{CustomerName, Address}((\sigma_{Quantity > 10}(OrderDetails) \bowtie Orders) \bowtie Customers)$$