Section 2.1: cont'd

Wednesday, October 15, 2014

example: Let $X = \{0,1,23, Y = \{3\}, \text{ and } Z = \{0,3\}$

Are the following statements True or False?

$$X \times Y = \{(0,3), (1,3), (2,3)\}$$

 $Y \times X = \{(3,0), (3,1), (3,3)\}$

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How many elements would there be in $X \times Y \times X \times Z \times X \times X \times Z_1 \times X_2$ $3 \cdot 1 \cdot 3 \cdot 2 \cdot 3 \cdot 3 \cdot 2 \cdot 3 = 972$