Name

....

Section *

▼

✓ * 1/1

$$If \ (\frac{a}{4}, a - 2b) = (0, 6 + b), \ then \ values \ of \ a \ and \ b \ are$$

- ⦿ a=0, b=-2 ✓
- ◯ a=0, b=2
- ◯ a=2, b=0
- ◯ a=-2, b=0

✓ * 1/1

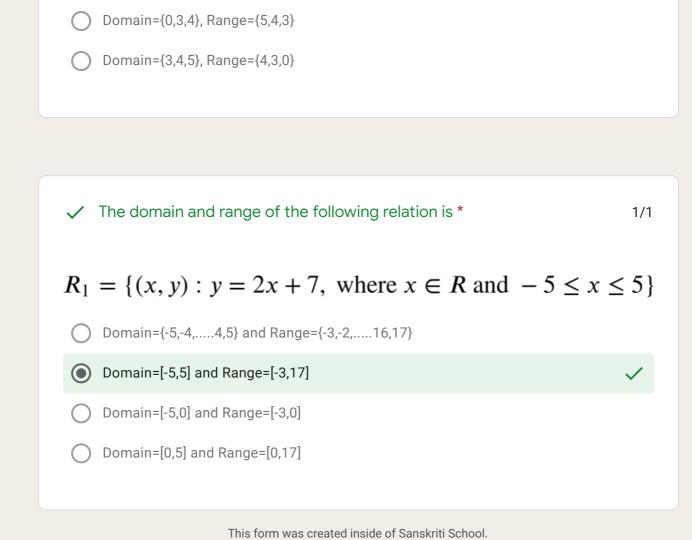The ordered pair $(5, 2)$ belongs to the relation $R = \{(x, y) : y = x - 5, x, y \in Z\}$

- ◯ True
- ⦿ False ✓

Let $n(A) = m$, and $n(B) = n$. Then the total number of non-empty relations that can be defined from A to B is

m^n

Option 1

$n^m - 1$

Option 2

$mn - 1$

Option 3

$2^{mn} - 1$

◉ Option 4   ✓

$$R = \{(x, y) : x, \in W, x^2 + y^2 = 25\}$$

◉ Domain={0,3,4,5}, Range={5,4,3,0}   ✓

○ Domain={5,3,4,}, Range={4,3,0}

○ Domain={0,3,4}, Range={5,4,3}

○ Domain={3,4,5}, Range={4,3,0}

✓ The domain and range of the following relation is *   1/1

$$R_1 = \{(x, y) : y = 2x + 7, \text{ where } x \in R \text{ and } -5 \le x \le 5\}$$

○ Domain={-5,-4,.....4,5} and Range={-3,-2,.....16,17}

● Domain=[-5,5] and Range=[-3,17]   ✓

○ Domain=[-5,0] and Range=[-3,0]

○ Domain=[0,5] and Range=[0,17]

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