

2. i) wrong S & B    ii) correct    iii) correct    iv) wrong  
v) correct    vi) correct

3 i) False    ii) True    iii) False    iv) True    v) True    vi) True  
vii) True

4. i) {12345}    ii) acute, obtuse and right angles  
iii) scalars, isosceles, equilateral triangles  
iv) Dad, Mom, Brother, Sister, Me    v) bedfgh  
vi) {a, e, i, o, u}    vii) {A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z}  
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- 3)  $\{x: x \text{ is all even numbers between 1 to 10}\}$
- ii)  $\{x: x \text{ is all prime numbers between 1 to 12}\}$
- iii)  $\{x: x \text{ is all the months start with letter J}\}$
- iv)  $\{x: x \text{ is all the vowels}\}$
- v)  $\{x: x \text{ is all the D boys start with letter T}\}$
- vi)  $\{x: x \text{ is a perfect square of natural number to 25}\}$
- vii)  $\{x: x \text{ is a multiples of 5 upto 6 times}\}$

~~4) i)~~

ii)  $\{1, 2, 3, 4, 6, 8, 12, 24\} = \{x: x \text{ is all number that is divisible by } 24\}$

iii)  $\{21, 23, 25, 27, 29\} = \{x: x \text{ is all odd numbers between } 20-30\}$

iv)  $\{C, A, L, C, U, T, T, A\} = \{x: x \text{ is all letters of Calcutta}\}$

v)  $\{January, February, March, April, May\} = \{x: x \text{ is the first five months of the year}\}$

vi)  ~~$\{16, 25, 36, 49, 64, 81\}$~~

$\{16, 25, 36, 49, 64, 81\} = \{x: x \text{ is a perfect square 2 digit number}\}$