

## Exercise 6(A)

$$\text{ii) } A_1 = \{x : 2x + 3 = 11\}$$

$$= A_1 = \{2x + 3 = 11\}$$

$$= A_1 = \{2x = 11 - 3 = 8\}$$

$$= A_1 = \{2x = 8\}$$

$$= A_1 = \{x = \frac{8}{2} = 4\}$$

$$= A_1 = \{4\}$$

$$\text{iii) } A_3 = \{x : x \in \mathbb{Z}, -3 \leq x < 4\}$$

$$A_3 = \{x : -3 \leq x < 4\}$$

$$\therefore x = -3, -2, -1, 0, 1, 2, 3$$

$\therefore$  Given set in roster (Tabular) form is

$$A_3 = \{-3, -2, -1, 0, 1, 2, 3\}$$

i)  $A_4 = \{x : x \text{ is a two digit number and sum of the digit of } x \text{ is } 7\}$

$x$  is a two digit number and sum of the digit of  $x$  is 7

$$\therefore x = 16, 25, 34, 43, 52, 61, 70$$

$\therefore$  Given set in roster (tabular) form is

$$A_4 = \{16, 25, 34, 43, 52, 61, 70\}$$