Answer no: 13

(a) $G = \{x : x \in N, 5 < x < 12\}$

Roster Form we get,

$G = \{6, 7, 8, 9, 10, 11\}$

(b) $H = \{x : x \text{ is a multiple of } 3 \text{ and } x < 21\}$

$H = \{3, 6, 9, 12, 15, 18\}$

(c) $I = \{x : x \text{ is a perfect cube}, 27 < x < 216\}$

$I = \{64, 125\}$

(d) $J = \{x : x = 5n - 3, n \in W, \text{ and } n < 3\}$

$J = \{2\}$

(e) $M = \{x : x \text{ is positive integer and } x^2 < 40\}$

$M = \{1, 2, 3, 4, 5, 6\}$

(f) $N = \{x : x \text{ is positive integer and is a divisor of } 18\}$

$N = \{1, 2, 3, 6, 9, 18\}$