Q.1 If $R_1 = \{(x, y) : y = 4x + 3 \; where \; x \in R \; and \; -3 \leq x \leq 4\}$ is a relation.

Then find the domain and range of R_1.

Q.2 If $n(A) = 4 \; and \; n(B) = 6$, the find the number of possible relations from set A to set B.

Q.3 Given $A = \{x : x \; is \; positive \; multiple \; of \; 4 \; and \; x \leq 50\}$ and

$B = \{x : x \; is$ a positive multiple of $8\}$. If $R = \{(x, y): x = y \; \forall \; x \in A, y \in B\}$.

Find the domain, range and codomain of R.