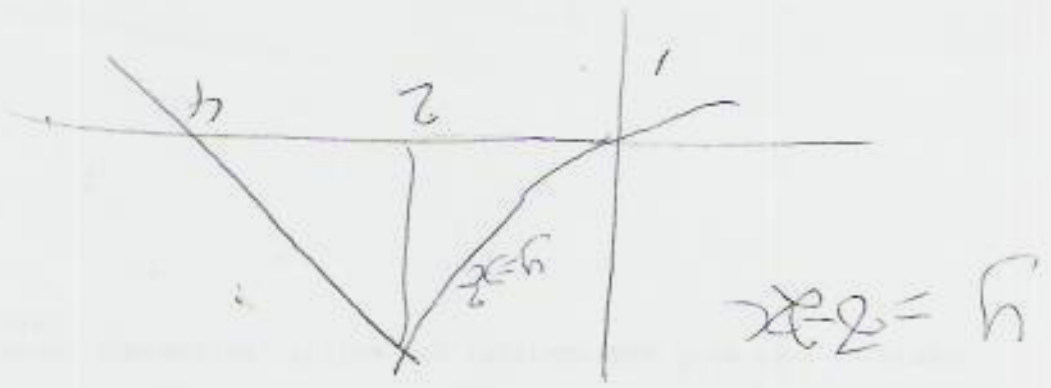
3.)

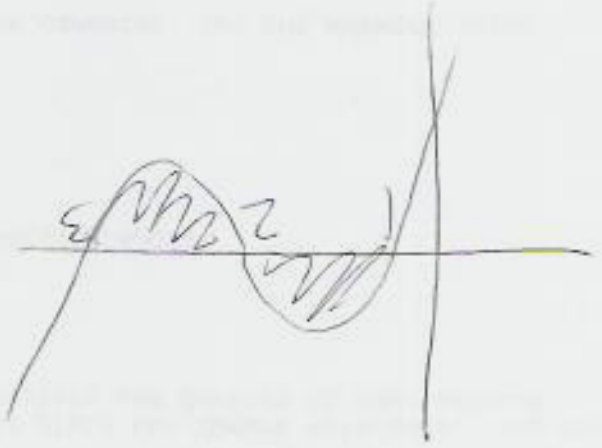
	e	r	r^2	q	rq	r^2q
e	e	r	r^2	q	rq	r^2q
r	r	r^2	e	rq	r^2q	q
r^2	r^2	e	r	r^2q	q	rq
q	q	r^2q	rq	e	r^2	r
rq	rq	q	r^2q	r	e	r^2
r^2q	r^2q	rq	q	r^2	r	e

$N_{E_3}(\text{Symm}\Delta) = \{r^2q, e^3$

Assuming $E_3 = r^2q$

$N_{R_2}(\text{Symm}\Delta) = \{r^2, e, r\}^3$





$y = (x-1)(x-2)(x-3)$

$= x^3 - 6x^2 + 11x - 6$