no 8.2. the guadric: 4x2-9y2=36Z the restilinear generatrices of the guadric passing through the point P(3J2, 2, 1) d is a rectiline or generative of the quadric (=) 4. (3)2)2-9.22-36.1=4.18-36-36=42-42=0 =>P is on the quadric 1x2-9y2=36Z (=> (2x)2-(34)2=36Z (2x-3y)(2x+3y)=362=> the quadric contains 2 families of lines: da: \2x-3y=2 2x(2x+3y)=36Z du: \$2x+34=11 11(2x-34)=36Z 2, µ € R let de edr if Ped, => 2×p-3/p=2=> 2.3/2-3.2=2 2=6(12-1) 6(12-1) (2.3/2+3.2)=36Zp $6(\sqrt{2}-1)\cdot 6(\sqrt{2}+1)=36$ 36=36 true is a generature of the suadric let d2 e dy if Pe d2 => 2·×P+3·4P= M=>2·3√2+3·2= p $\mu = 6(\sqrt{2} + 1)$

 $6(2+1) \cdot (2 \cdot 3\sqrt{2} - 3 \cdot 2) = 362p$ $6(2+1) \cdot 6(\sqrt{2} - 1) = 36$ 36 = 36 Thue $32 \times 73 = 6(2+1)$ 36 = 36 $36 \times 34 \times 73 = 6(2+1)$ 36 = 36 $36 \times 34 \times 73 = 362p$ 36×34