1X range

1.
$$(x^2-5x+7)^2-2(x-2)(x-3)=1$$

 $(x^2-5x+7)^2-2(x^2-5x+6)=1$ smgost.
 $y^2-2(y-1)=1$ $x^2-5x+7=y$
 $y^2-2y+1=0$
 $(y-1)^2=0$ $y=1$ $x^2-5x+7=1$
 $x^2-5x+6=0$
 $x=2$ $x=3$

Solybn: 2 e 3.

1) 30660 oghlongjon go 30 gosodhogos lomhog 1 f.

8) Francou smenzes (spola 130sen) 17.

3) samples opo Ca Bansana gualenda 320 Salamoson 77.

(e) ලානුදිර්තුලින ඉදහිත්වීදුරිවර් ලා විභාගත 3300 poly of 1.6/2.

g) คง69คง รายๆชิทูจัก.

2.
$$\frac{c^3 + c^2 - 4c - 4}{c^4 - 5c^2 + 4} = \frac{c^2(c+1) - 4(c+1)}{(c^2 - 4)(c^2 - 1)} = \frac{(c^2 - 4)(c+1)}{(c^2 - 4)(c^2 - 1)}$$

 $=\frac{1}{C-1}$ 5) posstymes Egghyon Thorogy In If

F) remayered postellate Sylvyle Sylvyley cuited (8

ह) महाराष्ट्र हमरेडेकपारिकी क्रिक्टिया है। हमें हमार हमार हमें हमें प्राप्त हमार हमार हमार हमार हमार हमार हमार

(e) Fy537/v (og sholkysse Fy537/v 4d)

9) Innom losmomm zestn.

 $x^{2}+kx-4=0$ $x' \approx x'$ 3) $x^2 + mx - m^2 = 0$ X1 PU X2 $x_1 = 2x_1'$ $x_2 = 2x_2'(1)$ $x_1' \cdot x_2' = -4 (3)$ 3.01.01 ×1.2=-m2(2) $\mathcal{K}_1' + \mathcal{K}_2' = -K$ $x_1 + x_2 = -m$ (1) \rightarrow (2) $2\chi'_{1} \cdot 2\chi'_{2} = 4(-4) = -m^{2}$ g.n. $m^{2} = 16$ MITY $x_1 + x_2 = 2x_1' + 2x_2' = 2(-k) = -m$ $K = \frac{m}{2} = \pm \frac{y}{2} = \pm 2$ Solybn: m=4 K=2 so m=-4 w K=-2.

5) coolins assisted among consoling of 14.

8) Indunorum spreadsoff on y subject any y and y are y and 3) nomzo m-d 26 K-l gh-ghen Honzogmå 3 J. (2) (pospognou M-6 a K-6 Imhal 535mha. +LJ. 9) annom Solybyon. 5f.

4)
$$\int 2x^2 + 3xy - 5y^2 = 0$$

 $(x + y^2 + 1 = 0)$
 $2(\frac{x}{y})^2 + 3(\frac{x}{y}) - 5 = 0$ $(\frac{x}{y}) = t$.
 $2t^2 + 3t - 5 = 0$
 $t_1 = 1$ $t_2 = -\frac{5}{2}$

$$\int \frac{x}{y} = 1$$

$$\int x = y$$

$$\int x = -\frac{5}{2}y$$

$$\int x_2 = -\frac{5}{2}y$$

$$\int x_3 = -\frac{5}{2}y$$

$$\int x_4 = -\frac{5}{2}y$$

$$\int x_$$

of sugar start proper hy confusion couper uplated py could be suffered (8

5) loantie samble tremons inlegator a ktoch sigh sigh 5.4 m 5.1.

A com Rossans/ Igungoul she-ster Beson 7-1.

5) $\overline{xy} = 10x+y$ $\overline{xy}: \overline{yx} = 4(3)$ (1) xy: (x+y) = 8(7)(10x+9):(10y+x)=4(3)(10x+y):(x+y)=8(7) $\int 10x+y=4(10y+x)+3\int 10x+y=40y+4x+3$ [10x+y=8(x+y)+7](10x+y=8x+8y+7) $\int 6x = 39y + 3 \int 2x = 13y + 1 \int 6y = 6 \int 3y = 1$ $2x = 7y + 7 \int 13y + 1 = 7y + 7 \int 2x = 13y + 1 \int 2x = 7$ >) In amount whom I 60 holps of synthetic or holyh (1) 14. 8) pople (my soul word) polemonder 37. 3) Vanhoe bland bollogal a mosty ons! Solybl 5f. * hologan samblish 43381 Hromal 41.

6)
$$\overline{a}(2;0)$$
 $\overline{e}(-1;-3)$ $L(\overline{a}-\overline{e};\overline{a})=h$.

 $\overline{a}-\overline{b}(3;3)$ $\overline{a}\cdot\overline{b}=(\overline{a}||\overline{e}||\cos h)$ $x_i\cdot x_i + y_iy_i$
 $\cos h = \frac{(\overline{a}-\overline{e})\cdot\overline{a}}{|\overline{a}-\overline{b}|\cdot|\overline{a}|}$ $|\overline{a}-\overline{e}||-|\overline{a}||^2$ $|\overline{a}-\overline{e}||\cdot|\overline{a}||$ $|\overline{a}-\overline{e}||-|\overline{a}||$ $|\overline{a}-\overline{e}||-|\overline{a}||-|\overline{a}||$ $|\overline{a}-\overline{e}||-|\overline{a}||-|\overline{a}||$ $|\overline{a}-\overline{e}||-|\overline{a}||-|\overline{a}||$ $|\overline{a}-\overline{e}||-|\overline{a}||-|\overline{a}||$ $|\overline{a}-\overline{e}||-|\overline{a}||-|\overline{a}||$ $|\overline{a}-\overline{e}||-|\overline{a}||-|\overline{a}||-|\overline{a}||$ $|\overline{a}-\overline{e}||-|\overline{a}||-|\overline{a}||-|\overline{a}||$ $|\overline{a}-\overline{e}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|\overline{a}||-|$

Imp: BABC AB=BC=AC=12 AD: BD=1:3 CD-? $AD = \frac{1}{4}AB = 3$ BD = 9LA=LB=1C=60° cos60°= 1 CD= AD2+ AC2- 2AD. AC. WS LA $CD^2 = 3^2 + 12^2 - 2 \cdot 3 \cdot 12 \cdot \frac{1}{2} = 9 + 144 - 36 = 117$ CD=1117.

1) zodmorzzmo AD a BD-l lngholy 1 f

3) Inbza had zagorbay 60° a a prózh Inla zanlabym 1/ 3) Gobghs zmlnbylybnl ogenhyd 1 f

E) CD-1 hymorganson yzzzz shrenzensz fremyl

9) Inagam 321yhm. 5.1.