Prerequisite Overvieur 1. Basic Algebra - Expanents Radicals, logarithms - Fretoring polynomids, trunctions - Solving polynomial equations 2. Algebre Pre-Celeulus 109(2)+109b= 26.2°= 2 6+c logob = [ogb] $x^2 + 5x + 6 = (x + 2)(x + 3)$ $x^3 + x^2 + x + 1 = (x^2 + 1)(x + 1)$ 1 p(x) = x2+5x+6 (x+2)(x+3) q(x) = x2+5x+6 (x+2)(x+3) 2xx2+x+1 (x+1)(x+1) Some

p(x) = 0 => 0 = (x+2)(x+3) x=-2,-3 $2x^2 - bx + C = 0$ $2x + b = 0 \qquad \iint A(x, y) dx$ c = 2x+6 = d C52x2+656 C-6 5 x 2 5 6-6 b if (C-6) 5 x 5 \d-6 x50 - VI-6 Worling with longualities and

changes of variables (Canbine inequalities wholis it?

(Canbine inequalities wholis it?

(All yell best tourds & 7=f(x,y)

surphing 7=f(x,y)

x > be tiqued OXX El 95- -- --450 Absolute Values & inequalities [x-y| 21 >>> X-1/2 | or $X-Y \leq -1$ 「メーソー (一) 8-5=1 x-y=-(

Graphing: graphing quadreles, linears [22 = x2+42 2x2+bxy+c92 + 1 x+ 24 + f = 0 7=x4/ [Zertbegt Cylt dZ] Zx Zs $\left(\begin{array}{c} \chi^{2} + y^{2} + Z^{2} = 1 \end{array}\right)$ word case scenerio be confortable in doing this in 2D $y = x^2$ $y = 2x^2 + 6$ $y = 2x^2 + 6$ 242 + 6x4+c42+9 =0) prese Trisonometry

Brush up on brig substitutions cesced in Cala 112 What sin, cos, ton the thing tring identities sound to the cost of Liv by sind cost

1 2 hart

(1) 1 2nde (1) 1/2 Crlc 1/2: 1 rngle Cdc 3: 2 sages Sin(b+y) = jifcosy+ shycoso cos(6+y)= costcosy-sintsiny set: $\gamma = \theta$ —) double muye identifies Same otte identitées, me 4x 20=... Sin [#千至) --you and up here Sin (3-6) = cast

12 = SIA (Sint) Siny, costsiny, cosy) $sin^2\theta sin^2\gamma + cos^2\theta$ $sh^2\gamma + cos^2\gamma =$ $(sin^2\theta + cos^2\theta) sh^2\gamma + cos^2\gamma =$ $sin^2 \gamma + cos^2 \gamma = 1$ 12=(=) d=1 25 d>0 [Know x y well to use & 1/7] Maran & will to use D& of Indeed of enabers: infthing in (SC)
Lone with 1/2 variables, you need
to be confortable with 10 you
can do it with 203 variables resp. とれる とがなる not oversting will be goneralized

d((x,y), (2,6))=V(x-3)2+(y-6)2 $d((x,y,2),(2,6,c)) = \sqrt{---}$ 2 V(tris) 2+Vtris 2+V 77 mod 24192 Colcles I V Cdc AB mod 242 2 Colculus II ≈ Crec &C AP slightly used than college CXC I: I mot verything

/ Sec x = tough ? Jelne J'SOC 3x J costude be SINK Sxlswer] (xthx one of ontsimps or may not come up syrix - molated rates - Inew Egyara. Mrs — 501,25 at revolution - work problems in physics -

Criculus II: it yer in low on times have a lot be eith up on skip: - Siquences - Sovics - Limit of 4,22,37.
- Converge ce Texts List in or Cike 2 General concept: manipulating Rejustions, simplifying expressions, ornaling and things techniques most fundamental concept

Oplosed Sonts: have shore alrest played into laptop winning 4 lles on phase moble sure comer valls, moble sure bothe e picture, leptopo recognleur your phone while your 12 ppp scor ctr1-clock of highlight to strech moltiple photos st once