JAWABAN TUGAS KELOMPOK **R8**

MAT 1211 KALKULUS II SEMESTER GANJIL 2022/2023

Dosen:

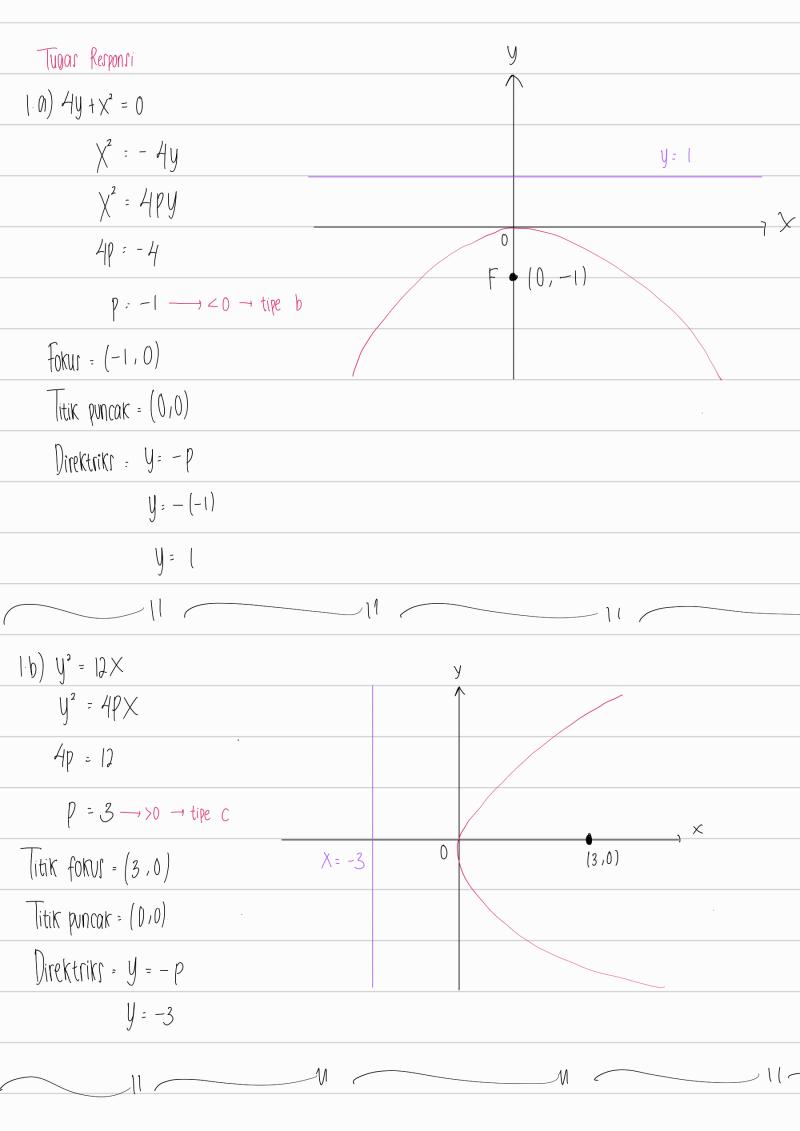
Prof. Dr. Toni Bakhtiar S.Si., M.Sc.

KELOMPOK 05

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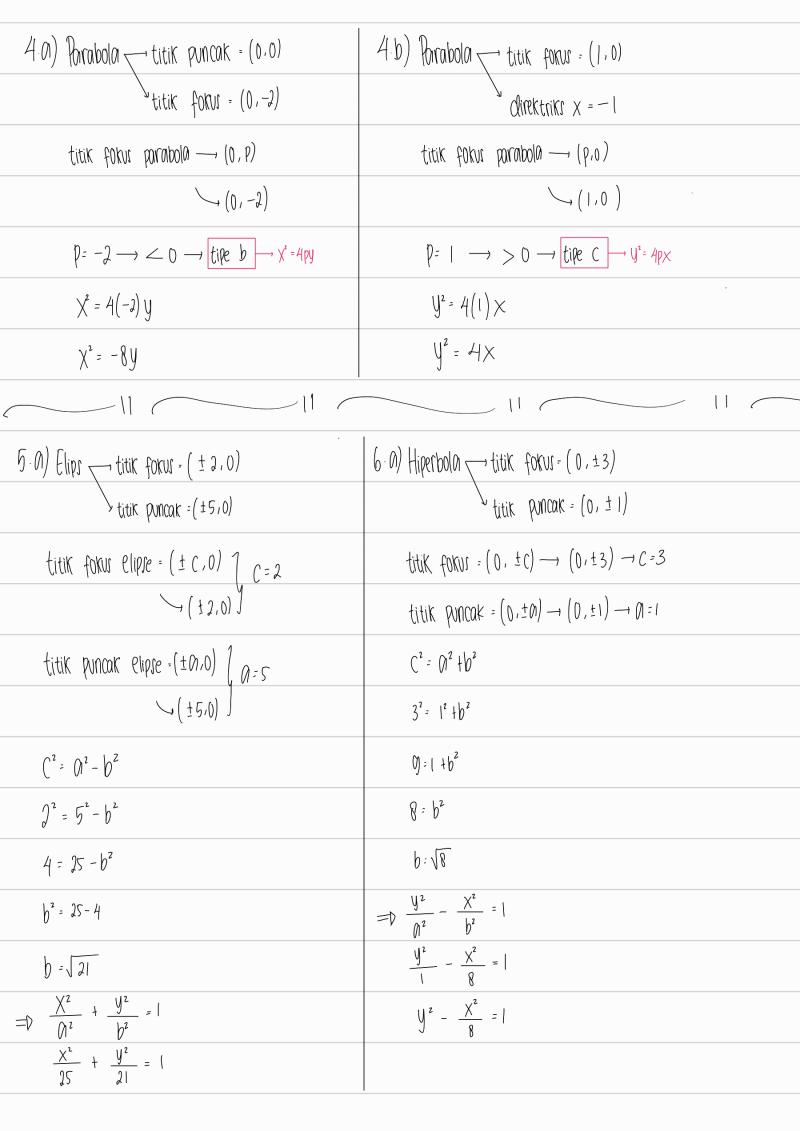


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$J \cdot \Omega = 1$	2.b) 25 x² + 0 y² = 225
64 100	$\frac{25}{225} \chi^2 + \frac{9}{225} y^2 = 1$
$\chi^2 + \gamma^2 = 1$	$\frac{\chi^2}{g} + \frac{y^2}{25} = 0$
b² O²	$\frac{x^2}{b^2} + \frac{y^2}{a^2} = ($
	M² = 25 → 0 = 5
b° = 64 - + b = 8	$b^2 : 0 \longrightarrow b = 3$
$C^2 = O^2 - b^2$	$C^2 : O^2 - b^2$
C = S100 - 64	C = J25 - 9
C = \(36 \) \to C = 6	C = J 16 - C = 4
Titik fokus = $(0, \pm 0) = (0, \pm 6)$	Titik fokus = $(0, \pm 0) = (0, \pm 4)$
Titik puncak = $(0,\pm 0)$ = $(0,\pm 10)$	Titik puncak = $(0,\pm 0)$ = $(0,\pm 5)$
Keeksentrian = $e = \frac{c}{0} = \frac{6}{10} = \frac{3}{5}$	Keeksentrian = $e = \frac{c}{a} = \frac{4}{5}$
y	y ↑
(0,10)	(0,5)
(0.6)	(0,4)
(-8.0) ×	(3,0)
(0, -6)	(0,-4)
(0,-10)	(0,-5)

$3 \cdot 0$ $\times^2 - y^2 =$	1	$(3.b)$ $(0)y^2 - \chi^2 = 0$	
144 25		$\frac{y^2}{1} - \frac{x^2}{0} = 1$	
X² - y² ₌	1	$\frac{y^2}{\Omega^2} - \frac{x^2}{b^2} = 1$	
M² b²		$\int_{0}^{2} = 1 \longrightarrow 0 = 1$	
01° = 144 → 0 =	12	$b^2 = 0 \longrightarrow b = 3$	
b° = 25 → b =	5	$C^2 = M^2 + b^2$	
(° = 00° + 10°		$C = \sqrt{1+0} = \sqrt{10} = 3.16$	
C = J144 +25		Titik fokus = $(0, \pm 0) = (0, \pm \sqrt{10})$	
(= \(\sqrt{160} \rightarrow C	= 3	Titik puncak = $(0, \pm 0) = (0, \pm 1)$	
Titik fokur = (±c,	$(0) = \left(\pm 13, 0\right)$	$\text{Mintot } y = \pm \left(\frac{a}{b} \right) X = \pm \left(\frac{1}{3} \right) X$	
Titik puncak = (± 0.0) = (± 12.0)			y
(NSimtot Y = ± (-	$\left(\frac{b}{a}\right) \times = \frac{1}{a} \left(\frac{5}{12}\right) \times$		(0.40)
y : - ⁵ / ₁₂ ×	y= 5/2 ×	$V = -\frac{1}{3} \times$	(0,1) Y= \frac{1}{3} X
		/) ×
(-12.0)	(13.0)		(0, -1)
(-13,0)	(8,0)		(0,-10)
		7	



(6.b) Hiperbola
$$\rightarrow$$
 titik punak = (±3,0)
90ru asimtot y = ± $2\times$

titik puncak hiperbola
$$\longrightarrow (\pm 01, 0)$$
 $0 = 3$

Osimtot
$$y \rightarrow \pm \left(\frac{b}{a}\right) \times \frac{b}{a} = 2 \longrightarrow \frac{b}{3} = 2$$

$$\Rightarrow \frac{\chi^2}{\int_0^2} - \frac{\chi^2}{\int_0^2} = 1$$

$$\frac{\chi^2}{0} - y^2 = 1$$