TUGAS KELOMPOK

RESPONSI 8

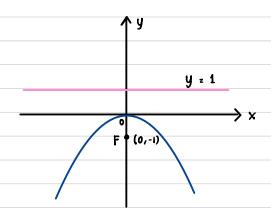


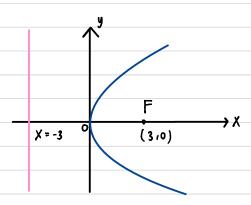
Kelompok 9:

Reynd Hamonangan Pasaribu	G1401211013
Gladys Adya Zafira	G1401211014
Natasha Muti Hafiza	G1401211019
Fedora Ilahi	G1401211025
Andi Fatihatul Fuadiyah Akbar	G1401211041
Doni Oktavianto	G1401211068
Ignacia Manuela Bregina	G1401211072
Anis Sulistiyowati	G1401211084

$$\chi^2 = -4y$$

$$X^2 = 4PY$$





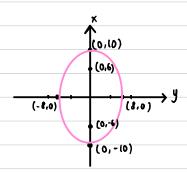
$$\frac{2 \cdot a)}{64} + \frac{y^2}{100} = 1$$

$$a^2 = 100$$
 , $a = 10$

Tilik fokus =
$$(0, \pm c) = (0, \pm 6)$$

Titik puncak =
$$(0, \pm a) = (0, \pm 10)$$

keeksentrikan =
$$e = \frac{c}{a} = \frac{6}{10} = \frac{3}{5}$$



b.
$$25x^2 + 9y^2 = 225$$

$$\frac{25}{225}X^2 + \frac{9}{225}y^2 = 1$$

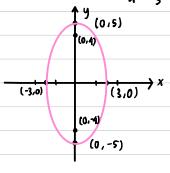
$$\frac{x^2}{g} + \frac{y^2}{25} = 1$$

$$C = \sqrt{25 - g} = \sqrt{16} = 4$$

Titlk fokus =
$$(0, \pm c) = (0, \pm 4)$$

Titik puncak =
$$(0,\pm a)$$
 = $(0,\pm 5)$

keeksentrikan =
$$e = \frac{c}{c} = \frac{4}{3}$$



$$\frac{3. \ a)}{144} - \frac{y^2}{25} = 1$$

Titik fokus =
$$(\pm C_{10}) = (\pm 13, 0)$$

Titik puncak =
$$(\pm a.0)$$
 = (± 12.0)

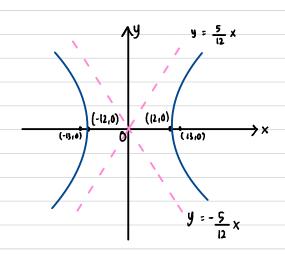
asimiot
$$y = \pm \left(\frac{b}{a}\right) \times \pm \left(\frac{5}{12}\right) \times$$

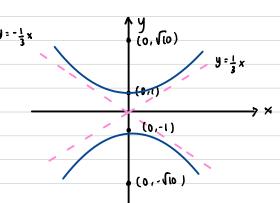
b)
$$9y^2 - x^2 = 9$$

$$\frac{y^2}{1} - \frac{x^2}{9} = 1$$

$$C^2 = \sqrt{1+9} = \sqrt{10} = 3,16$$

asimbot
$$y = \pm \left(\frac{a}{b}\right) x = \pm \left(\frac{1}{3}\right) x$$





4. a) Parabola

b) Parabola

$$\therefore y^2 = 4x$$

5. a) Elips

titik puncak =
$$(\pm 5.0) \rightarrow (\pm 9.0)$$

$$C^2 = a^2 - b^2$$

$$4 = 25 - b^2$$

$$\frac{x^2}{25} + \frac{y^2}{21} = 1$$

6. a) Hiperbola

filik Fokus =
$$(0, \pm 3) \rightarrow (0, \pm c)$$

fifik puncak =
$$(0, \pm 1) \rightarrow (0, \pm A)$$

$$C^2 = a^2 + b^2$$

$$9 = 1 + b^2, b^2 = 8$$

$$\frac{y^2}{a^2} - \frac{\chi^2}{b^2} = 1 \Rightarrow \frac{y^2}{1} - \frac{\chi^2}{\delta} = 1$$

$$\frac{y^2-x^2}{2}=1$$

b) Hiperbola

filk puncak (±3,0)
$$\rightarrow$$
 (±4,0)

garu asimtot
$$y = \pm ax \rightarrow y = \pm (b/a) \times$$

$$\frac{x^2}{q} - \frac{y^2}{2L} = 1$$