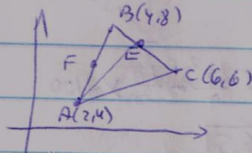


3.19  
4



$E(5,7) \text{ (P)}$

polin fungsi s.d.  $x(x,y)$  / NO

$MA = MC, MA = ME$

$$\begin{cases} (x-2)^2 + (y-4)^2 = (x-6)^2 + (y-6)^2 \\ (x-2)^2 + (y-4)^2 = (x-5)^2 + (y-7)^2 \end{cases} \rightarrow \begin{cases} 8x + 4y = 52 \rightarrow x = 4 \\ 6x + 6y = 54 \rightarrow y = 5 \end{cases} \rightarrow M(4,5)$$

$r^2 = MA^2 = (4-2)^2 + (5-4)^2 = 5$

$(x-4)^2 + (y-5)^2 = 5$  fungsi lingkaran

$y = 2x$   $m_{AB} = \frac{8-4}{4-2} = 2$  : AB lingkaran (P)

: F titik (3,6) (titik tengah AB titik (2,4) & (4,8))

$5 = (x-4)^2 + (2x-5)^2$   
 $x = 2$   $x = 3,6$   
 (A titik) F(3,6, 7,2)

$m_{CF} \cdot m_{AB} = -1$  ,  $y = -\frac{1}{2}x + 9$   $m_{CF} = -\frac{1}{2}$  : CF lingkaran

•  $\triangle ABC$  ? AB s.d.  $\perp$  ke CF (P)