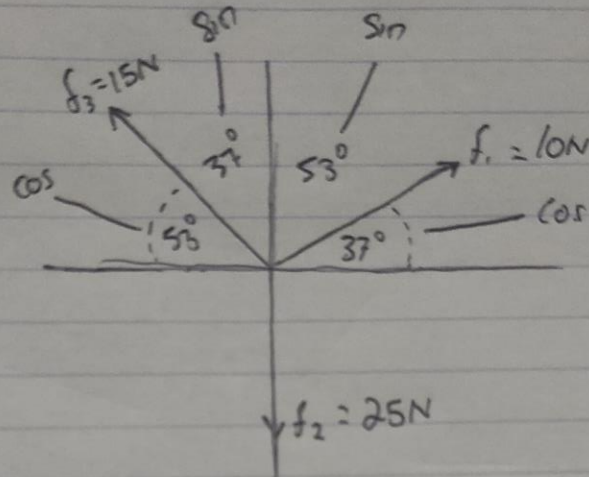


Nama : As'syahrin nanda

NIM : 13020200318

KIS : A6



Jawaban

$$\begin{aligned} F_x &= F_1 \cos 37^\circ - F_3 \cos 53^\circ \\ &= 10 \cdot 0,8 - 15 \cdot 0,6 \\ &= 8 - 9 \\ &= -1 \end{aligned} \quad \begin{aligned} F_y &= F_1 \sin 37^\circ - F_2 + F_3 \sin 37^\circ \\ &= 10 \cdot 0,6 - 25 + 15 \cdot 0,8 \\ &= 6 - 25 + 12 \\ &= -7 \end{aligned}$$

$$\begin{aligned} R &= \sqrt{F_x^2 + F_y^2} \\ &= \sqrt{(-1)^2 + (-7)^2} \\ &= \sqrt{1 + 49} \\ &= \sqrt{50} \\ &= 7,071 \end{aligned}$$

