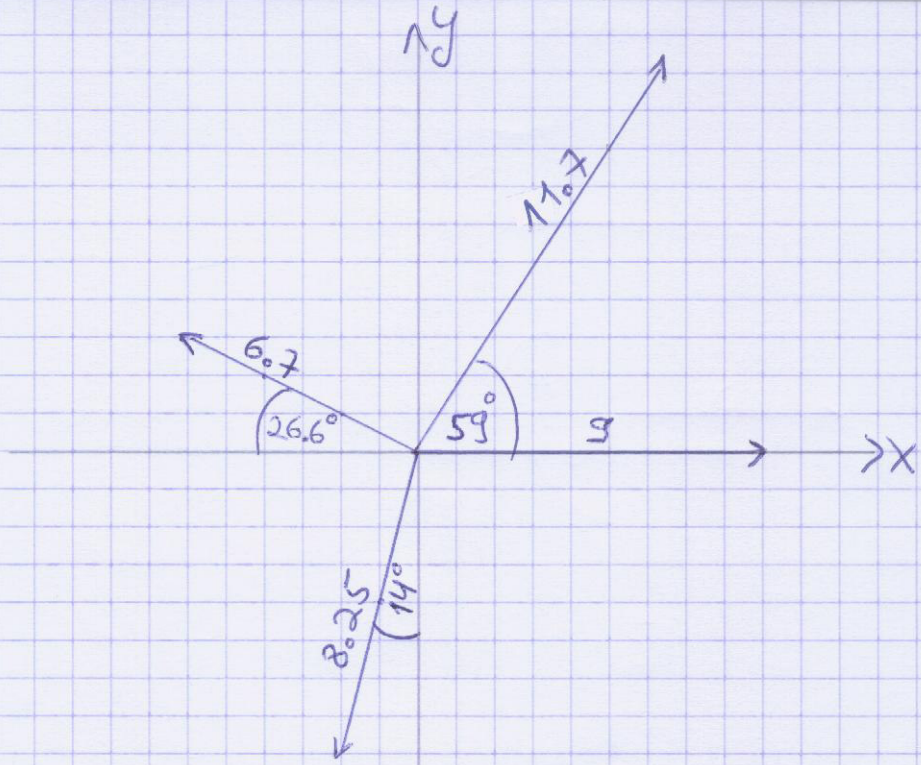


6



$$\Sigma F_x = 9 + 11.7 \cos 59^\circ - 6.7 \cos 26.6^\circ - 8.25 \sin 14^\circ$$

$$\Sigma F_x = 7$$

$$\Sigma F_y = 11.7 \sin 59^\circ + 6.7 \sin 26.6^\circ - 8.25 \cos 14^\circ$$

$$\Sigma F_y = 5$$

$$\vec{F}_T = 7\vec{i} + 5\vec{j}$$

$$8.6 \mid 215.54^\circ$$

$$\text{opian } \vec{F} = -7\vec{i} - 5\vec{j}$$

$$\sqrt{7^2 + 5^2} = 8.6$$

$$\text{tg } \alpha = \frac{5}{7}$$

$$\Downarrow$$

$$\alpha = 35.54^\circ$$

