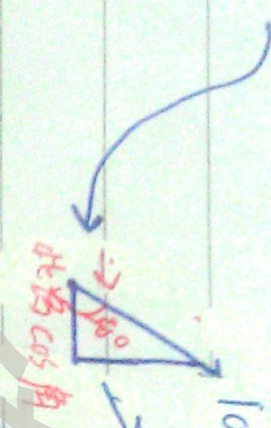
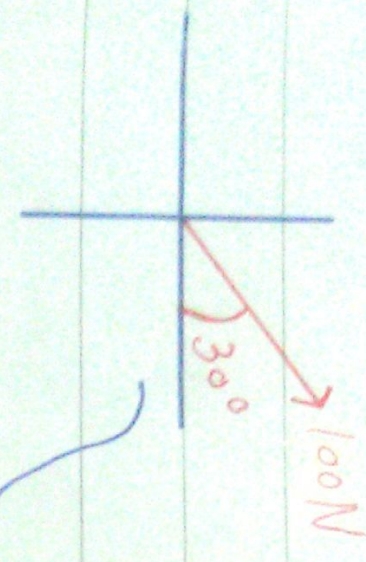


2. 求合力—角度型



Step 1. 計算 F_x 及 F_y

※ 橫向力 $\Rightarrow F_x$
直向力 $\Rightarrow F_y$

$$F_x = 100N \times \cos 30^\circ = 100 \times \frac{\sqrt{3}}{2} = 50\sqrt{3} \text{ kg}$$
$$F_y = 100N \times \sin 30^\circ = 100 \times \frac{1}{2} = 50 \text{ kg}$$

Step 2. 解出答案

$$F_x = 50\sqrt{3} \text{ kg}$$

$$F_y = 50 \text{ kg}$$