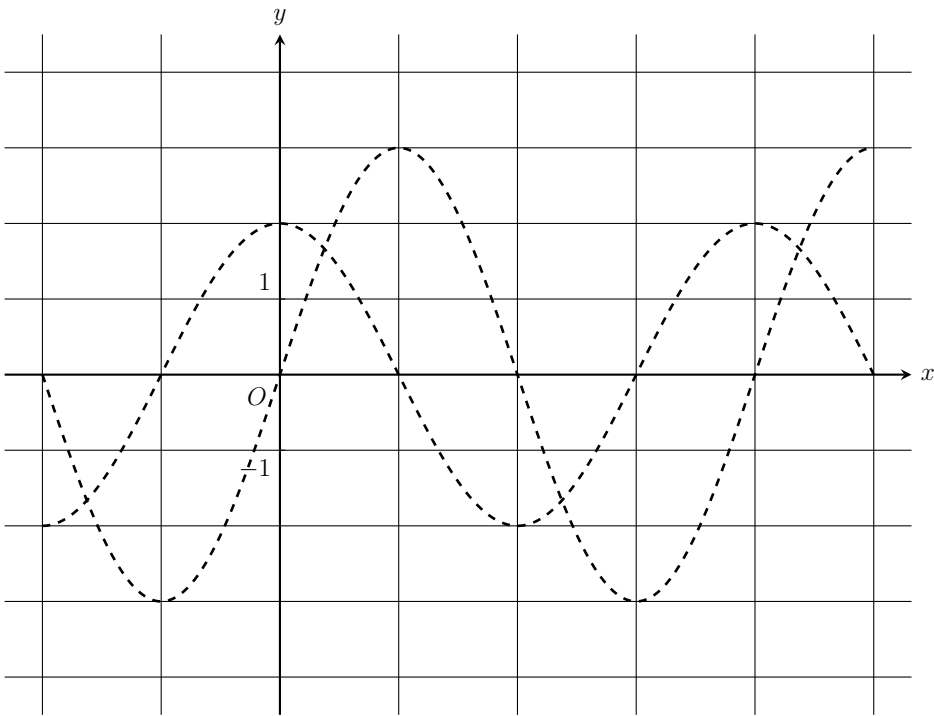
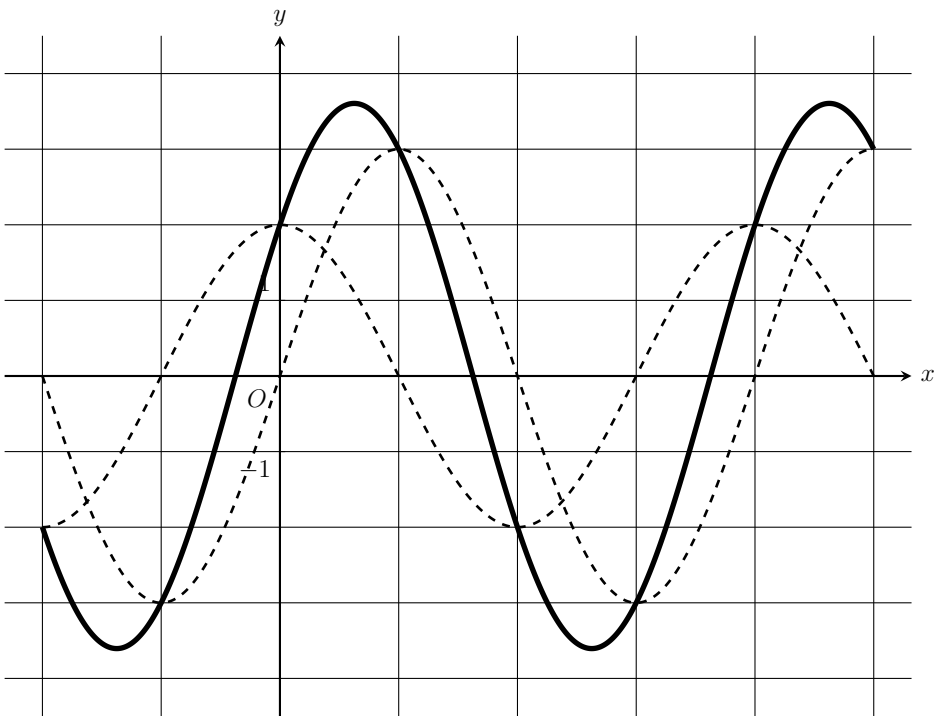
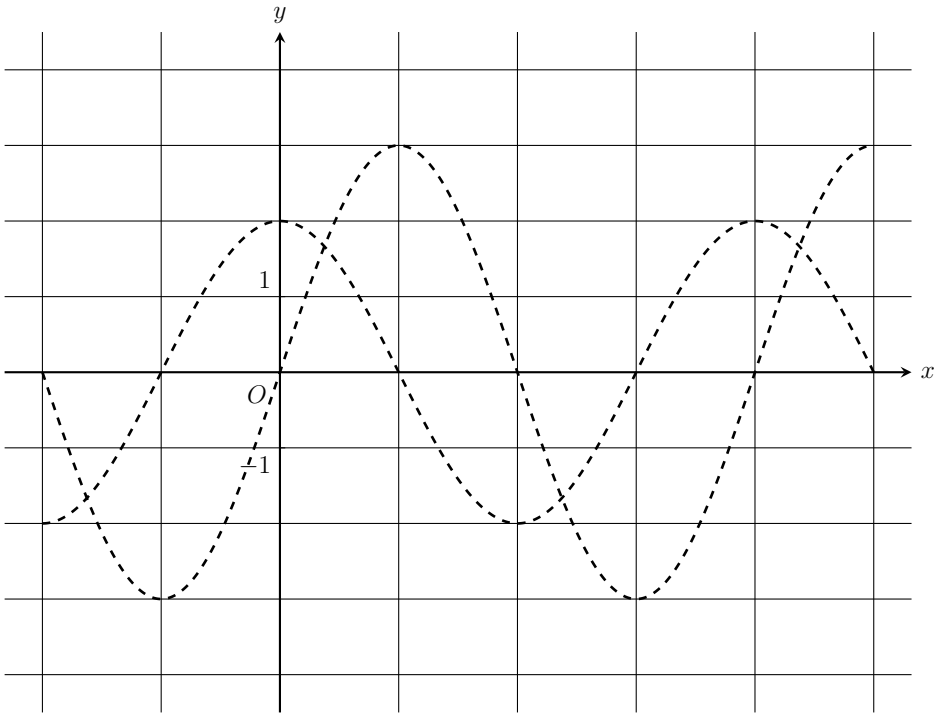


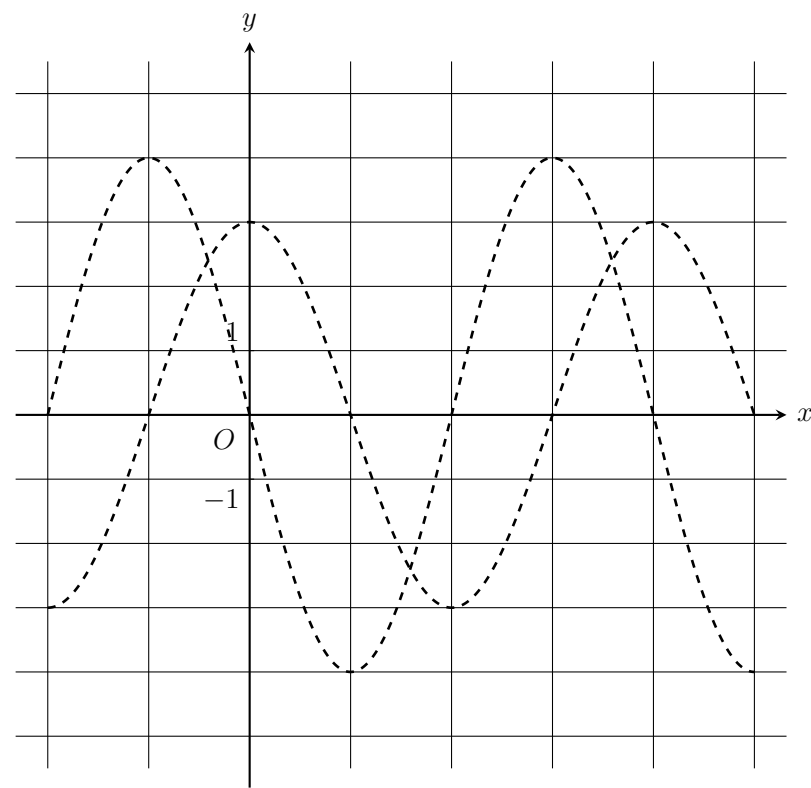
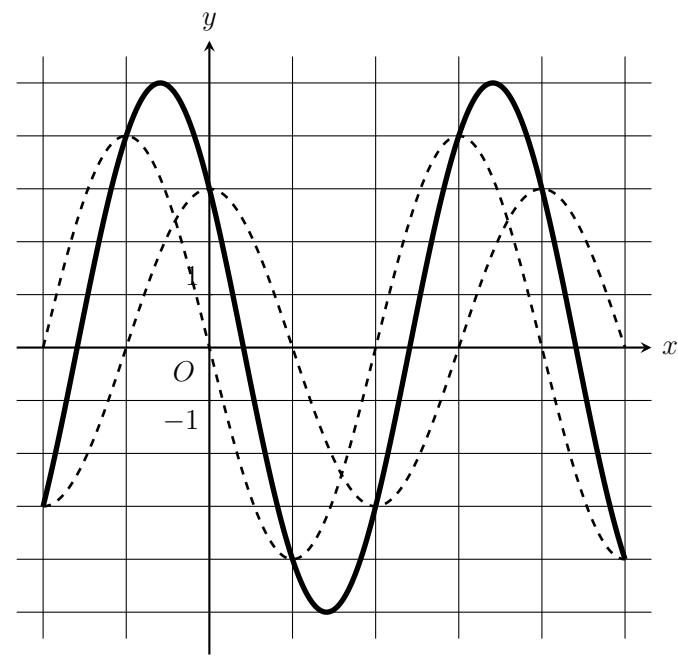
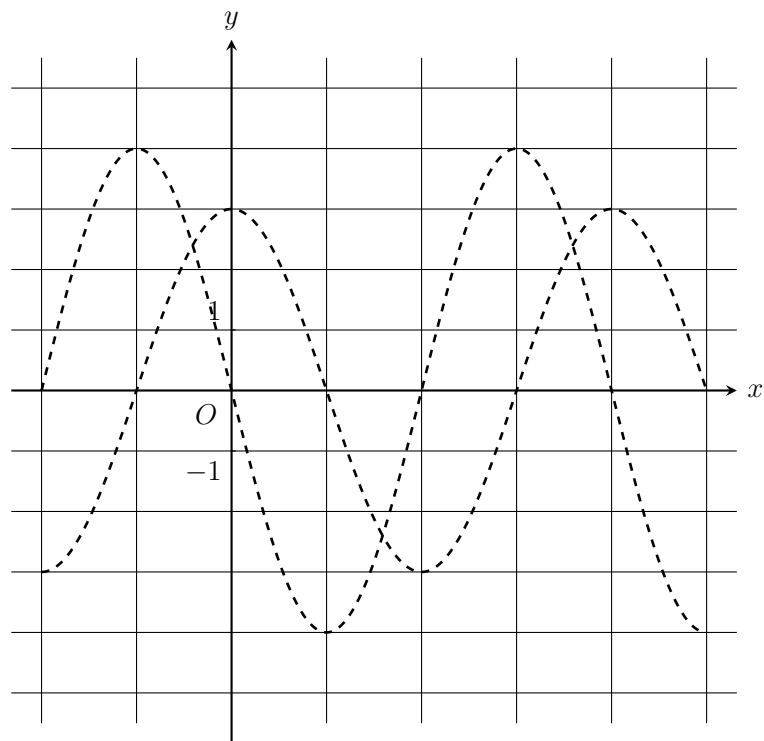
1. 畫出 $y = 2 \cos x$ 、 $y = 3 \sin x$ 、 $y = 2 \cos x + 3 \sin x$ 的圖形：

猜測 $y = 2 \cos x + 3 \sin x = A \sin(x + \theta)$ 。



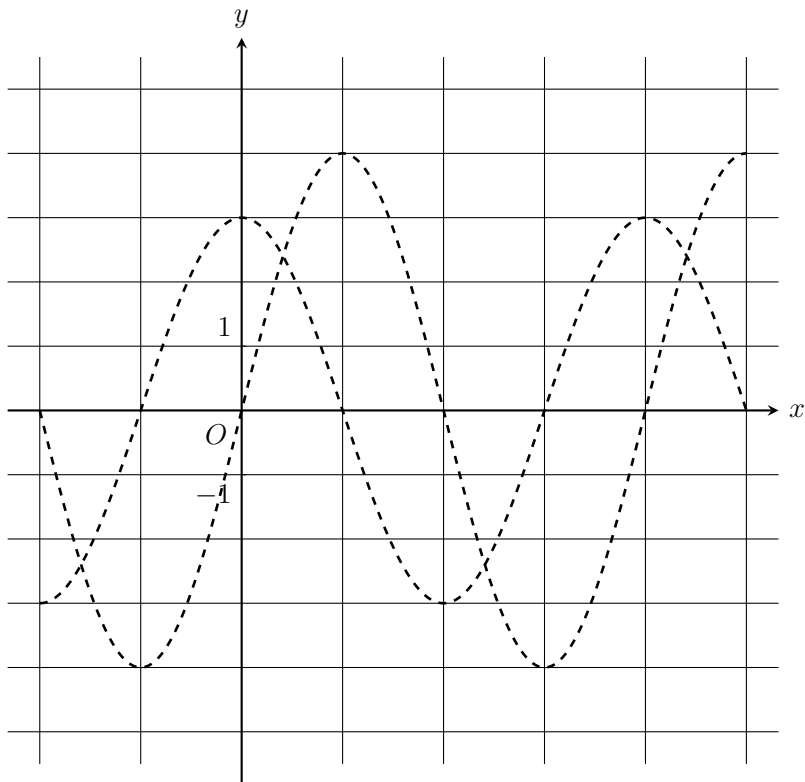
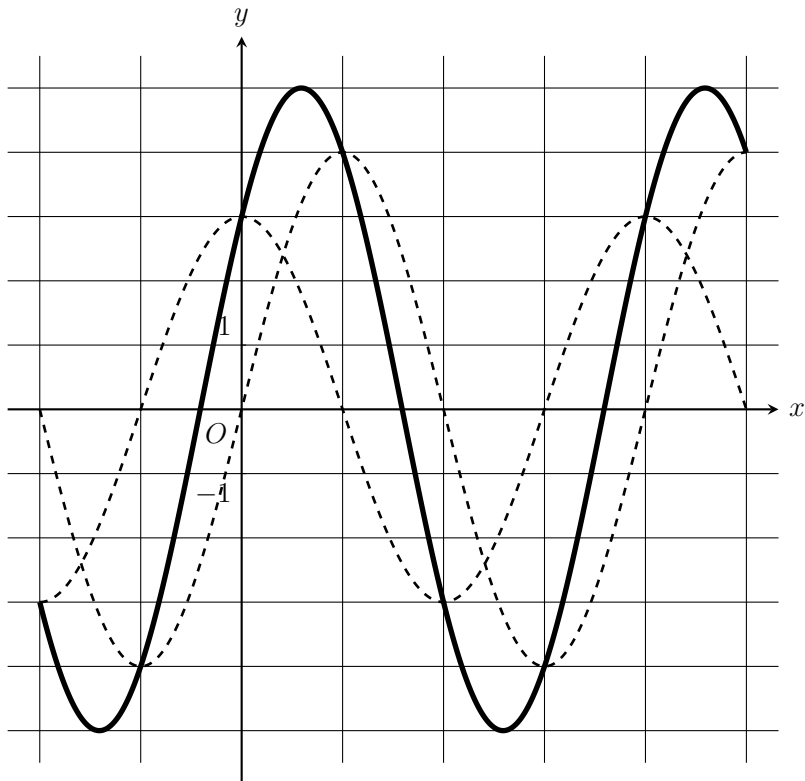
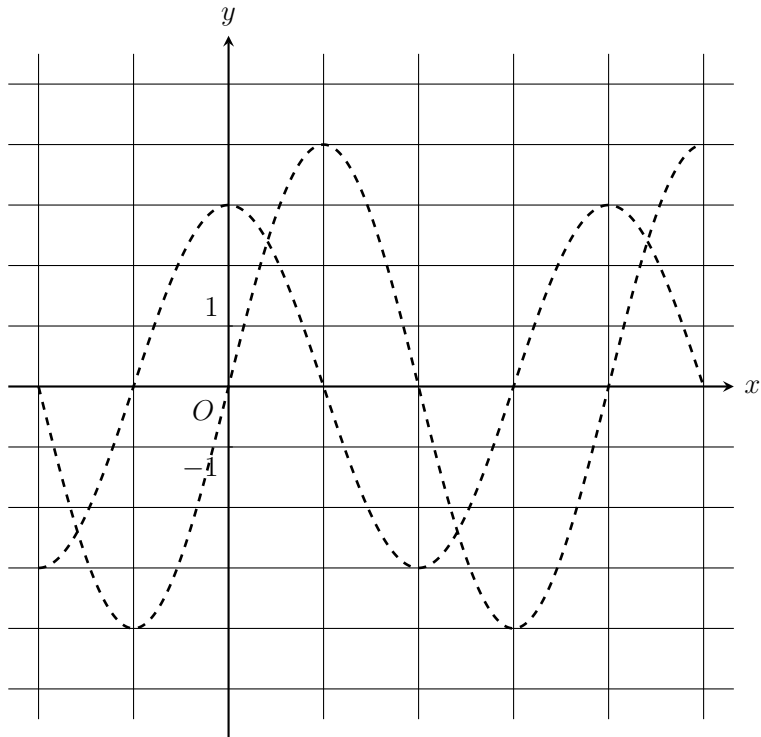
2. 畫出 $y = 3 \cos x$ 、 $y = -4 \sin x$ 、 $y = 3 \cos x - 4 \sin x$ 的圖形：

猜測 $y = 3 \cos x - 4 \sin x = A \sin(x + \theta)$ 。



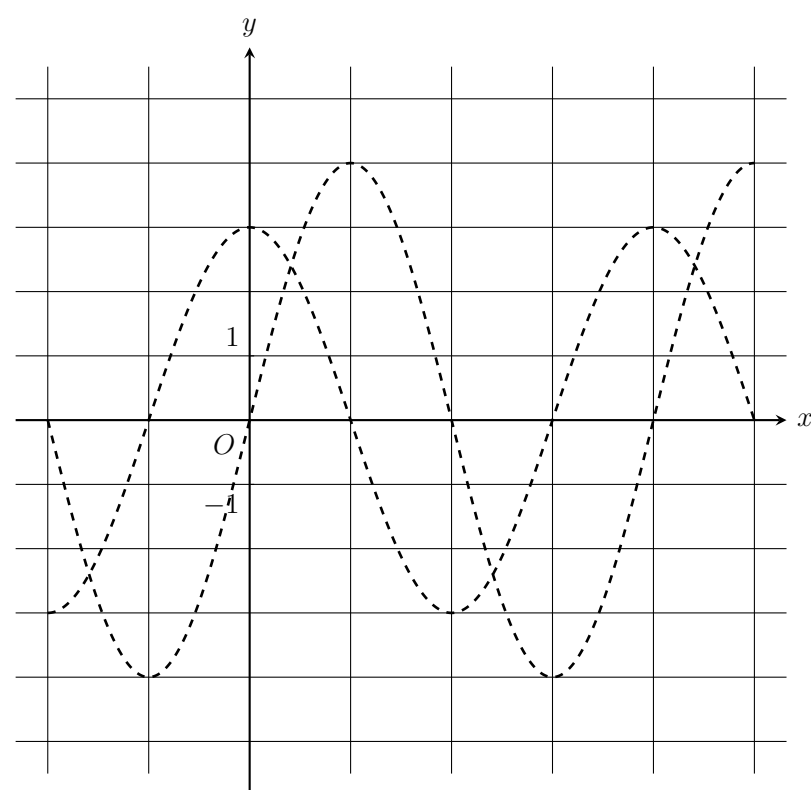
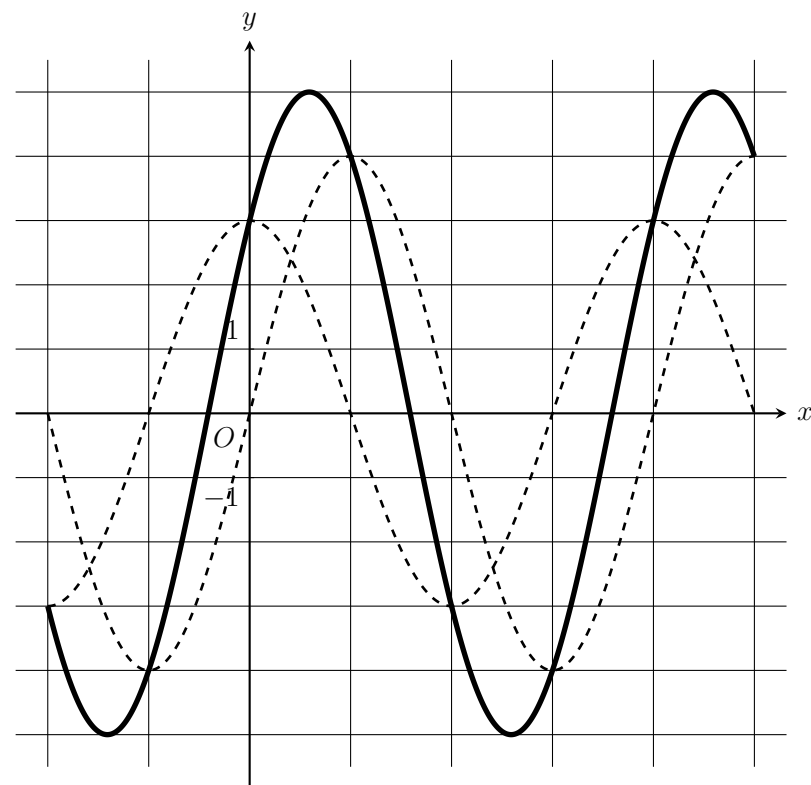
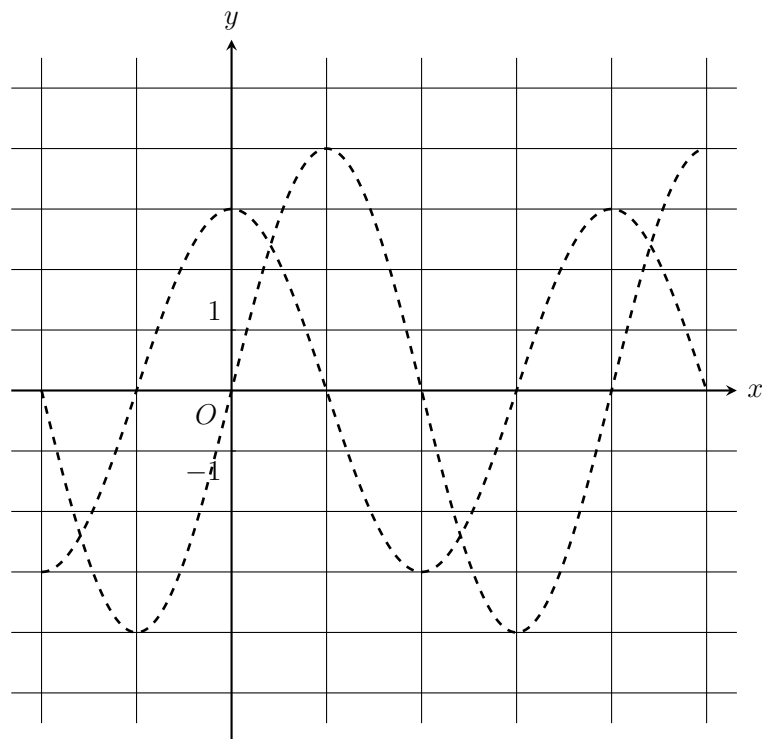
3. 畫出 $y = 3 \cos x$ 、 $y = 4 \sin x$ 、 $y = 3 \cos x + 4 \sin x$ 的圖形：

猜測 $y = 3 \cos x + 4 \sin x = A \sin(x + \theta)$ 。



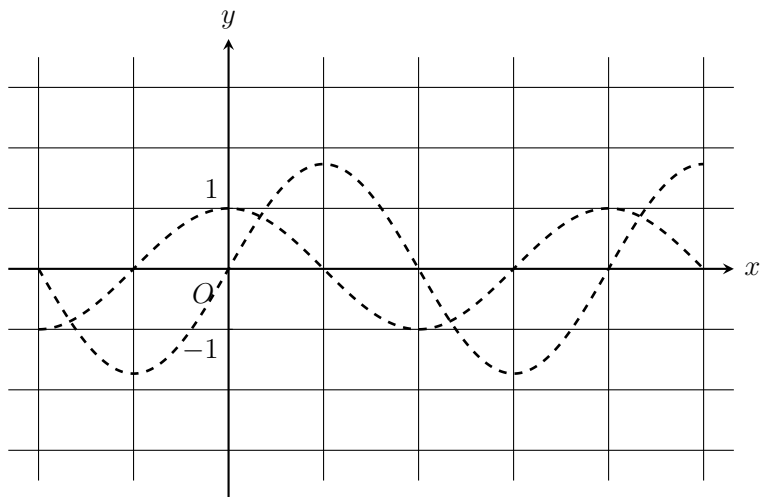
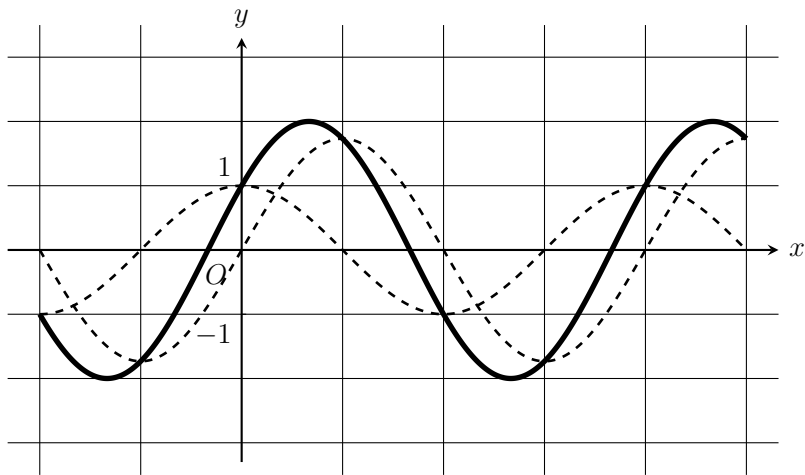
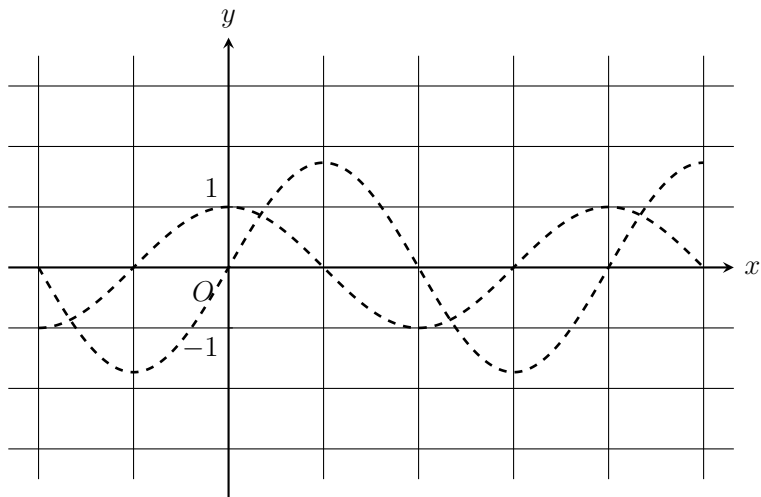
4. 畫出 $y = 3 \cos x$ 、 $y = 4 \sin x$ 、 $y = 3 \cos x + 4 \sin x$ 的圖形：

猜測 $y = 3 \cos x + 4 \sin x = A \cos(x + \theta)$ 。



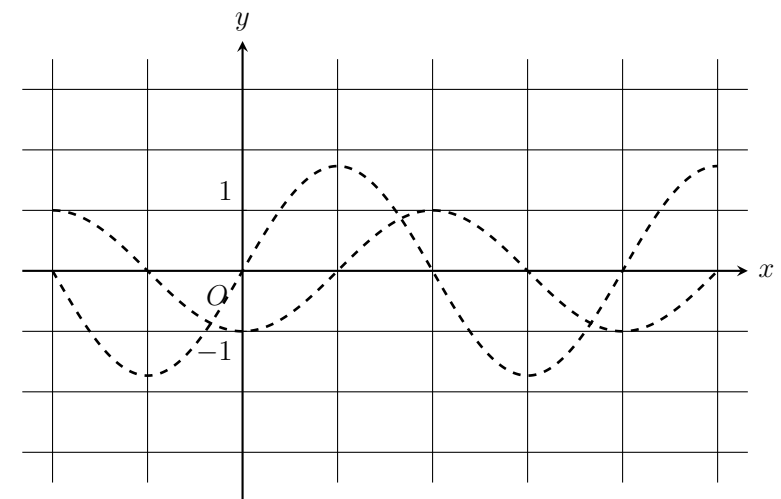
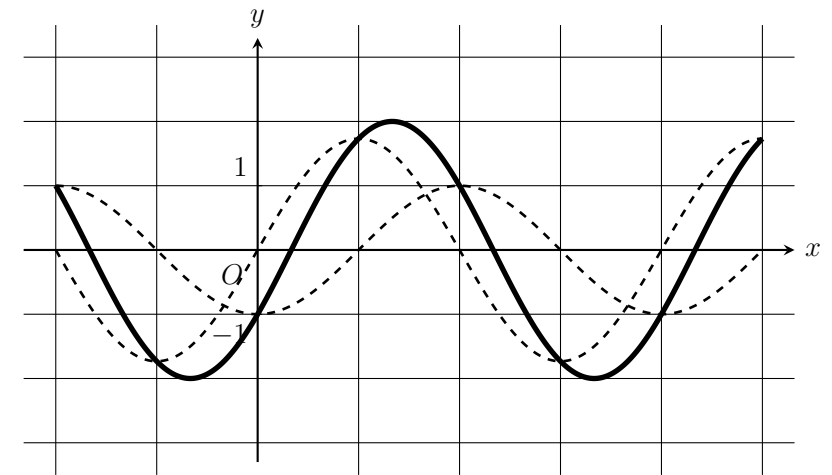
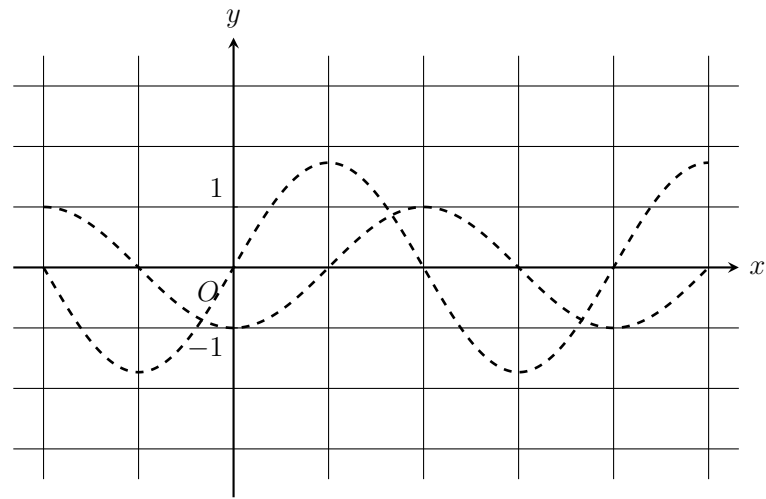
5. 畫出 $y = \cos x$ 、 $y = \sqrt{3} \sin x$ 、 $y = \cos x + \sqrt{3} \sin x$ 的圖形：

猜測 $y = \cos x + \sqrt{3} \sin x = A \sin(x + \theta)$ 。



6. 畫出 $y = \cos x$ 、 $y = \sqrt{3} \sin x$ 、 $y = \sqrt{3} \sin x - \cos x$ 的圖形：

猜測 $y = \sqrt{3} \sin x - \cos x = A \cos(x + \theta)$ 。



參考答案：