

数Ⅱ(三角関数の性質⑤)

〇 次の式を簡単にしよう。

$$\textcircled{1} \sin\left(\frac{\pi}{2} + \theta\right) + \sin\left(\frac{\pi}{2} - \theta\right) + \cos(-\theta)$$

$$\textcircled{2} \cos\left(\frac{\pi}{2} + \theta\right) + \cos\left(\frac{\pi}{2} - \theta\right) + \cos(-\theta) + \cos(\pi - \theta)$$

$$\textcircled{3} \sin\left(\frac{\pi}{2} + \theta\right)\sin\left(\frac{\pi}{2} - \theta\right) - \sin(\pi + \theta)\sin(\pi - \theta)$$