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This month's "free sample" is:

**4073.** *Proposed by Daniel Sitaru.*

Solve the following system:

$$\begin{cases} \sin 2x + \cos 3y = -1, \\ \sqrt{\sin^2 x + \sin^2 y} + \sqrt{\cos^2 x + \cos^2 y} = 1 + \sin(x + y). \end{cases}$$

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**4073.** *Proposé par Daniel Sitaru.*

Résoudre ce système d'équations:

$$\begin{cases} \sin 2x + \cos 3y = -1, \\ \sqrt{\sin^2 x + \sin^2 y} + \sqrt{\cos^2 x + \cos^2 y} = 1 + \sin(x + y). \end{cases}$$

