<u>Written HW16 – MATH 1540 Spring 2023</u>

Solve the trigonometric equation in the way we did in class. Full credit will only be awarded to fully symbolic solutions.

1. Solve $\cos(3\theta) = \dfrac{1}{2}$ for θ in the interval $[0, 2\pi]$.

2. Solve $\sin(\sqrt{5}\theta) = -\dfrac{\sqrt{2}}{2}$ for θ in the interval $[0, 2\pi]$.