

Written HW18 – MATH 1540 Spring 2022

**Due by 22 April for timely completion credit**

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

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

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