

Written HW14 – MATH 1540 Fall 2020

**Due by 23 November 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  $[0, 2\pi]$ .