

Math 181: Worksheet #8 – Trigonometric Functions

Find all  $x$  satisfying the equations.

1.  $\sin(x) = 0$

2.  $\sin(2x) = 0$

3.  $\sin(3x) = 0$

4.  $\sin(\pi x) = 0$

5.  $\cos(x) = 0$

6.  $\cos(2x) = 0$

7.  $\cos(3x) = 0$

8.  $\cos(\pi x) = 0$

9.  $\sin(4x - 1) = 0$

10.  $\cos(5x - 2) = 0$

11.  $\sin(3x - 4) = 0$

12.  $\cos(2x - 4) = 0$

13.  $\sin(3x + 3) = 1$