

Homework: App D, p. A32: #1, 5, 9, 11, 17, 21, 23, 25, 35, 37, 77, 29, 31, 33 // 65-75(odd) & this worksheet

For each of the following equations, find **(a)** all solutions and **(b)** all solutions in the interval $[0, 2\pi)$

1. $\sqrt{2}\sin(x) - 1 = 0$

2. $\sqrt{2}\sin(4x) - 1 = 0$

3. $\sec^2(x) - 4 = 0$

4. $2 \cos^2\left(\frac{x}{3}\right) - \cos\left(\frac{x}{3}\right) = 0$

5. $\sin x \cos x + \sin x = 0$