

EXTRA TRIG EQUATIONS TO SOLVE – MULTIPLE ANGLE ARGUMENTS

SOLVE EACH EQUATION IN THE INTERVAL $[0, 2\pi)$

1. $5\cos(4x) + 2 = -3$

2. $2\sin(2x) = 1$

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

4. $4\cos^2(2x) - 10 = -7$

5. $3\tan^2(2x) + 1 = 4$

6. $\csc(3x) + 1 = 0$