Solve over the reals:
(These problems are important for calculus.)

1) $\tan^2 x + \tan x = 0$

2) $\cos^2 x - 1 = 0$

3) $2\sin^2 x + \sin x = 1$

4) $\cos^2 x + 1 = 0$

Let us work some eGrade problems now.