Precalculus Name: _____

Solving Trig Equations Day 1 HW

Solve each trig equation for $0 \le \theta < 2\pi$

1. $2\cos\theta = \sqrt{3}$

2. $4\sin\theta + 5 = 0$

3. $3\cot\theta - \sqrt{3} = 0$

4. $4\cos\theta + 4 = 0$

5. $\sin^2\theta = 1$

6. $2\cos^2\theta + 3 = 4$

7. $\sec^2\theta = 4$

8. $2\tan\theta + \sqrt{3} = \tan\theta$

9. $(\sin\theta - 1)(\cos\theta + 2) = 0$

10. $(2\sin^2\theta - 1)(\sin^2\theta - 1) = 0$

11. $\sin^2\theta = \sin\theta$

12. $\cos\theta\sin\theta - \cos\theta = 0$

13. $\sin^2\theta - 2\sin\theta + 1 = 0$

14. $\cos^2\theta - 3\sin\theta = 3$

15. $2\cos^2\theta + \cos\theta = 1$