Trig Equations#2 Name_____

Solve each equation for θ, $0^\circ \le \theta < 360^\circ$.

1. $2\sin\theta = -1$

2. $6\cos\theta = 3$

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

4. $8\sin\theta = 4\sqrt{3}$

5. $4\sin\theta + 8 = 12$

6. $10\cos\theta + 5 = 0$

7. $6\sin\theta - 3 = 0$

8. $7\tan\theta - 5 = 2$

Trig Equations#2 Name_____

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

10. $\cos^2\theta = 1$

11. $6\sin^2\theta = 3$

12. $8\sin^2\theta = 6$

13. $9\sec\theta - 2 = 16$

14. $\frac{4\csc\theta}{3} = \frac{8}{3}$

15. $\frac{3\tan\theta}{3} = \frac{3}{\tan\theta}$

16. $(\sin\theta + 2)(\sin\theta - 1) = \sin\theta - 1$