## Trigonometry Worksheet 7

1. Solve $2 \sin \theta+1=0$ for $\theta \in[0,2 \pi)$.
2. Solve $\sin \theta=\sqrt{2}-\sin \theta$.
3. Solve $2 \cos \theta=1$ for $\theta \in[0,2 \pi)$.
4. Solve $2 \cos ^{2} \theta-1=\cos \theta$ for $\theta \in[0,2 \pi)$.
5. Solve $2 \tan ^{2} \theta-6=0$ for $\theta \in[0,2 \pi)$.
6. Solve $2 \cos ^{2} \theta=\sin \theta+1$ for $\theta \in[0,2 \pi)$.
7. Solve $2 \cos \theta=\sqrt{3}$ for $\theta \in[0,2 \pi)$.
8. Solve $2 \cos (2 \theta)=0$ for $\theta \in[0,2 \pi)$.
9. Solve $\tan \theta+2=1$.
10. Solve $\sin (2 \theta)=\frac{3}{2}$ for $\theta \in[0,2 \pi)$.
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