1. If $\sin\theta = \frac{1}{2}$, $0 \le \theta < \frac{\pi}{2}$, then $\cos\theta =$

2. If $\sin\theta = \frac{3}{4}$, $0 \le \theta < \frac{\pi}{2}$, then $\cos\theta =$

3. If $\sin\theta = \frac{3}{4}$, $\frac{\pi}{2} \le \theta < \frac{3\pi}{2}$, then $\cos\theta =$

4. If $\tan\theta = \frac{1}{2}$, $0 \le \theta < \frac{\pi}{2}$, then $\sec\theta =$

5. If $\tan\theta = \frac{1}{2}$, $\frac{\pi}{2} \le \theta < \frac{3\pi}{2}$, then $\sin\theta =$

6. If $\sin\theta = \frac{1}{3}$, $\frac{\pi}{2} \le \theta < \pi$, then $\sin(2\theta) =$

7. If $\cos 2\theta = \frac{1}{3}$, $-\frac{\pi}{2} \le \theta < \frac{\pi}{2}$, then $\cos\theta =$

8. If $\cos\theta = \frac{1}{3}$, $0 \le \theta < \frac{\pi}{2}$, then $\cos(2\theta) =$

9. What are all the values of θ for which $\sin(2\theta) - \cos\theta = 0$ and $0 \le \theta < 2\pi$?

10. What are all the values of θ for which $\cos(2\theta) + \sin\theta = 0$ and $0 \le \theta < 2\pi$?

11. What are all the values of θ for which $4\cos^2\theta - 4\sin\theta - 1 = 0$ and $0 \le \theta < 2\pi$?