

Precalc BC**Trigonometry Equations**

Name _____

Solve equations for all values between 0 and 2π .

1. $\sin 2x + \cos x = 0$

2. $3\sin q = 1 + \cos 2q$

3. $\cos 2x = \cos x$

4. $4\sin x \cos x = \sqrt{3}$

5. $(\sin x)(\cos 2x) + (\cos x)(\sin 2x) = \frac{1}{2}$

6. $\tan^2 x = 3 \tan \frac{5\rho}{4}$

7. $4\sin x \cos x = \sin^2 x + \cos^2 x$

8. $\sec^2 q + 2 = 3\sec q$