

Name _____ Date _____

Solve Trig Equations 3

Find all radian solutions.

1) $\sin 3x = -1$

2) $\tan 2x = -\sqrt{3}$

3) $\cos 4x = -\frac{1}{2}$

4) Make a list of solutions.

$0 \leq x < 2\pi$ for problem # 3

5) $\cos 2x \cos x - \sin 2x \sin x = \frac{\sqrt{2}}{2}$

6) $\sin 2x \cos 3x + \cos 2x \sin 3x = -1$

Find all degree solutions.

7) $\cot^2 3\theta = 1$

8) $2 \cos^2 2\theta - \cos 2\theta - 1 = 0$