

Homework 45 – Solving Trigonometric Equations
February 2, 2012 - Precalculus (Oberle)

Name:

1. Solve for x , where $-4\pi \leq x < 2\pi$: $8\cos x - 1 = 6$.
2. Solve for x , where $-180^\circ \leq x < 180^\circ$: $3\sin 3x + 1 = 3$
3. Solve for x , where $-4\pi \leq x < 4\pi$: $2 \tan\left(\frac{x}{3}\right) + 9 = 3$
4. Solve for x , where $-2\pi \leq x < \pi$: $3\cos^2 x = 2\sin x + 2$
5. Solve for x , where $-180^\circ \leq x < 360^\circ$: $3\cos^2 2x = 7\cos 2x + 6$