Pre-Calculus:
Sec. 5.5 (Day 3)
Solving Trigonometric Equations

1) Solve: a) For principal solutions on the interval $[0, 2\pi)$.
                b) For general solutions.

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

2) Solve: a) For principal solutions on the interval $[0, 2\pi)$.
             b) For general solutions.

$$\cos 2x = -\cos x$$

3) Solve: a) For principal solutions on the interval $[0, 2\pi)$.
              b) For general solutions.

$$\sin 4x = \sin 2x$$

4) Solve: a) For principal solutions on the interval $[0, 2\pi)$.
              b) For general solutions.

$$\tan 2x = 3\tan x$$

5) Solve: a) For principal solutions on the interval $[0, 2\pi)$.
            b) For general solutions.

$$2\sin 3x + \sqrt{3} = 0$$

6) Solve for principal solutions on the interval $[0, 2\pi)$.

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