

Name _____

Date _____ Hour _____

Math Analysis & Trig.
Problem of the week- Due 09-12-2008

Directions: Print out this page and answer the following questions directly on that sheet of paper.

1. (8 points) Solve the following equations:

a. $\cos 2x = \frac{-\sqrt{3}}{2}$

b. $\csc x = \sqrt{2}$

c. $\tan 2x = 0$

d. $\sec 3x = -2$

e. $\cot x = \frac{\sqrt{3}}{3}$

f. $\sin 3x = -1$

g. $2\sin^2 x - \sin x = 1$

h. $2\sin^2 x - 3\sin x - 2 = 0$

2. (2 points) What is the difference between solving a trig equation that has $2x$ or $3x$ versus one that has just a single x ?
