Math 112 – section _____

 NAME: ______

 Quiz 7 version A, spring 2012
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 Seat location: ______

 sections 8.7-8.8
 Seat location: ______

 Show all necessary steps in each problem. Full credit is based on work shown!

1. Solve each equation on the interval $0 \le \theta < 2\pi$. Write angles in radians not degrees. $_{\text{Apts}}^{\text{Apts}}$ a. $\tan(2\theta) = -1$ b. $2\cos^2\theta + 3\cos\theta + 1 = 0$

8pts

c. Use a calculator to solve: $\sin \theta = 0.75$ (Round answers to 3 decimal places.) (Remember to use radian mode for angles.)

Show a sketch of the graph of $y = \sin \theta$; with the solutions to $\sin \theta = 0.75$ marked on the graph. Remember to show solutions in the interval $0 \le \theta < 2\pi$.

