

**Business PreCalculus**    MATH 1643 Section 004, Spring 2014  
**Homework 7: Due 2/5/2014**

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1- Solve each equation by the square root method:

a.  $4x^2 + 9 = 0$

b.  $(x^2 + 1)^2 = 100$

1- Solve each equation by factoring:

a.  $6x^2 + 11x + 4 = 0$

b.  $3y^2 + 5y + 2 = 0$

1- Solve each equation by using the quadratic formula:

a.  $x^2 = 5(x - 1)$

b.  $3x^2 + 8x + 4 = 0$