

**MAT 012 Take-Home Quiz 2: Equations****Name:** \_\_\_\_\_**Due:** see webpage **SHOW ALL WORK!****Section:** \_\_\_\_\_Solve the following equations. Find **all** solutions for the variable.

1)  $x^2 + 9x + 14 = 0$

2)  $4x^2 - 28x + 48 = 0$

3)  $3x^2 + 11x - 4 = 0$

4)  $4x^3 + 22x^2 + 30x = 0$