3.02 Solving Quadratic Equations by Factoring Additional Practice

**Solve the problems below. Then, compare your answers and work to the 3.02 Solving Quadratic Equations by Factoring Additional Practice Key.**

# ****Practice Problems****

1. **Solve the quadratic equation 9**$n^{2}$ **− 81 = 0**
2. **Solve the quadratic equation 3**$x^{2}$ **+ 14*x* + 49 = 0**
3. **Solve 3**$x^{2}$ **− 19*x* = 14**

**We can see this is not in the form** $ax^{2}$**+ *bx* + *c*.**

 **Step 1: Set this equal to zero.**

 **Step 2**: Factor!

 **Step 3**: The product of two factors is zero if one or both factors equals zero. Set each factor equal to zero and solve for those numbers.