**HW # 7 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

***Completing the Square***

**Find the value of *c* that makes each trinomial a perfect square. Then write the trinomial as a perfect square.**

**3.**  + 10*x* + *c* **4.**  – 14*x* + *c*

**Solve each equation by completing the square. Leave answers as integers or simplified radicals.**

**5.**  – 12*x* = 64 **6.**  + 8*x +*20 = 0

7. – 10*x* – 15= 0 8. + 18*x* +100=

**Convert into Vertex Form and identify the Vertex, Axis of Symmetry, Max/Min Value, Domain and Range.**

**9.**  +4 *x* – 6 = y **10.**  – 2*x* – 4

11. – 12*x* + 10