**Honors Math 2**

**Homework: Solving Quadratics by taking Square Roots**

**Solve each Quadratic equation by taking the square root of both sides. Be sure to show your work and leave your answers in simplest form.**

1. k2 = 76 2. k2 = 16

3. x2 + 28 = 8 4. 16n2 = 49

5. (x – 5)2 = 9 6. 3(x + 3)2 = 18

7. -2(x – 2)2 = -10 8. -5(x – 6)2 = 25

9. x2 + 16x + 64 = 0 10. 4x2 – 8x + 4 = 72