HUYA – Quadratics – Part 2 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**1. Solve by graphing.** **4x2 + 3 = -8x**

**2) Solve by factoring.** **x2 + 2x - 8 = 0**

**3) Solve by square roots.** **2x2 - 288 = 0**

**4) Solve using the quadratic formula.** **x2 - 5x - 5 = 0**

**5) Convert this equation from standard form to vertex form. y = x2 + 6x = 2**

**6) Simplify: (4 - i) + (5 - 9i)**

**7) Simplify: (-3 + 2i) - (6 + i)**

**8) Simplify: -4i(-2i)**

**9) Simplify: 6i(-7i)**

**10) Simplify: (7 - 4i)(10 - 2i)**

**11) Solve: -3x2 - 144 = 0**

**12) Solve: x2 - 2x + 4 = 0**

**13) Solve by graphing.**

**2x2 + 5x - 10 =0**