Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_

Class/Home worksheet: Alg2H

Quadratic equation: using factoring and completing the square.

(book chapter 8, page 342 to 345)

|  |  |
| --- | --- |
| An equation of the type  where a,b, and c are constants, and , is called **standard form of the quadratic equation.** | |
| Solve: | Solve: |
| Solve: | Solve: |
| Solve: | Solve: |

|  |
| --- |
| Completing the Square (P. 343) |
| Solve by completing the square: |
| Solve by completing the square: |
| Solve by completing the square: |

From the book, Page 345-6

|  |  |
| --- | --- |
| (1) Solve: | (6) Solve: |
| (11) Solve: | (18) Solve: |
| (42) Solve by completing the square: | (43) Solve by completing the square: |