

Written HW8 – MATH 1530 Fall 2020

**Due by 20 October for timely completion credit**

Solve the quadratic equation using the specified method.

1. Solve  $x^2 + 9 = 0$  by rearranging and taking a square root.
2. Solve  $x^2 + 2x - 3 = 0$  by factoring.
3. Solve  $x^2 + x + 15 = 0$  by completing the square on the left-hand side and then solving for  $x$ .