

## Q1HW3 - IGW = Individual Graded Work.

**Solve each equation with the quadratic formula. All answers must be properly simplified. Check all rational solutions and at least one of irrational conjugate solutions.**

1)  $n^2 + 5n - 6 = 0$

2)  $2m^2 - 5m - 7 = 0$

3)  $2n^2 - 2n - 7 = 0$

4)  $r^2 + 4r - 21 = 0$

5)  $x^2 + x = 2$

6)  $v^2 + 2v - 1 = 5$

7)  $n^2 + 5n - 22 = 2$

8)  $v^2 + 5v - 17 = -3$

9)  $2b^2 + 4b - 12 = -4$

10)  $2x^2 - 4x - 10 = -5$