

Q1 HW7 - All Work On Looseleaf

Date_____ Period_____

Find the discriminant of each quadratic equation then state the number and type of solutions.

1) $6k^2 + 4k - 2 = 0$

2) $-a^2 + 2a + 1 = 2$

3) $4x^2 + 1 = 5x$

4) $n^2 + 3n = 4$

Solve each equation with the quadratic formula.

5) $2v^2 + 2v - 24 = 0$

6) $b^2 + 3b - 18 = 0$

7) $x^2 - 2x - 6 = -7$

8) $4x^2 + 4x + 5 = 4$

9) $3p^2 = -5p + 6$

10) $4k^2 = -2k + 5$

11) $2x^2 + 5x = 12$

12) $2m^2 - 2 = 3m$

13) $2n^2 - 5n = 7$

14) $4r^2 = -4 - 3r$