

Determine the type of solution to the quadratic equation below. Your answer can either be:

- 1) One rational solution
- 2) Two imaginary solutions
- 3) Two irrational solutions.
- 4) Two rational solutions

1) $-7x^2 - 2x + 5 = 0$

2) $-3p^2 - 3p - 1 = 0$

3) $-3x^2 - 6x - 3 = 0$

4) $-2n^2 + 6n + 9 = 0$

5) $2v^2 + 8v + 8 = 0$

6) $-7n^2 + 8n - 8 = 0$

7) $-9x^2 + 4x + 8 = 0$

8) $-4n^2 - 7n = 0$

Determine the type of solution to the quadratic equation below. Your answer can either be:

- 1) One rational solution
- 2) Two imaginary solutions
- 3) Two irrational solutions.
- 4) Two rational solutions

1) $-7x^2 - 2x + 5 = 0$

144; two rational solutions

2) $-3p^2 - 3p - 1 = 0$

-3; two imaginary solutions

3) $-3x^2 - 6x - 3 = 0$

0; one rational solution

4) $-2n^2 + 6n + 9 = 0$

108; two irrational solutions

5) $2v^2 + 8v + 8 = 0$

0; one rational solution

6) $-7n^2 + 8n - 8 = 0$

-160; two imaginary solutions

7) $-9x^2 + 4x + 8 = 0$

304; two irrational solutions

8) $-4n^2 - 7n = 0$

49; two rational solutions