

What you will learn about:
Discriminate

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$$b^2 - 4ac$$

Find the value of the discriminate and give the number of solutions.

$$2x^2 - 2x + 3 = 0$$

$$b^2 - 4ac > 0$$

$$x^2 - 3x - 4 = 0$$

$$b^2 - 4ac < 0$$

$$-x^2 + 2x - 1 = 0$$

$$b^2 - 4ac = 0$$

Type of Solutions

Rational

Irrational

Complex