

$$1) 3 * x^2 - 2 * x - 1 = 0$$

$$2) 5 * x^2 + 2 * x + 7 = 0$$

$$3) x^2 - 10 * x + 9 = 0$$

$$3 * x^2 - 2 * x - 1 = 0$$

$$x_1 = 1$$

$$x_2 = -1/3$$

$$5 * x^2 + 2 * x + 7 = 0$$

$$D = 2^2 - 4 * 5 * 7 = 4 - 140 = -136; D < 0;$$

$$x^2 - 10 * x + 9 = 0$$

$$x_1 = 1$$

$$x_2 = 9$$

## Теорема Виета

$$x^2 + px + q = 0$$

$$\begin{cases} x_1 + x_2 = -p \\ x_1 \cdot x_2 = q \end{cases}$$

