

Wieviele Nullstellen hat die Funktion:

$$g(z) := 5 \cdot z^2 - 5$$

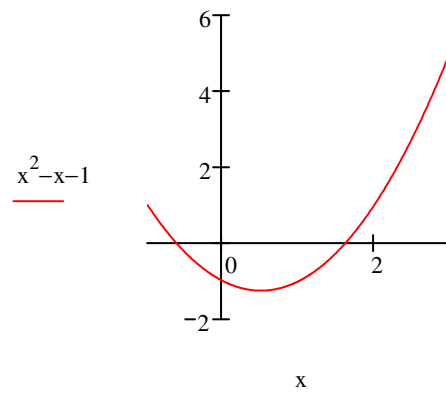
$$f(a) := 3 \cdot a - 2$$

$$f(a) := 3 \cdot a^2 - 2a + 1$$

$$f(z) := (z + 1) \cdot (z - 1)$$

$$\begin{pmatrix} 0 \\ 0 \\ 0 \end{pmatrix}$$

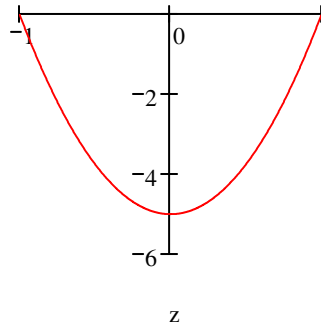
$$f(x) := x^2 + x + 1$$



$$5 \cdot z^2 - 5 = 0$$

$$\begin{pmatrix} 1 \\ -1 \end{pmatrix}$$

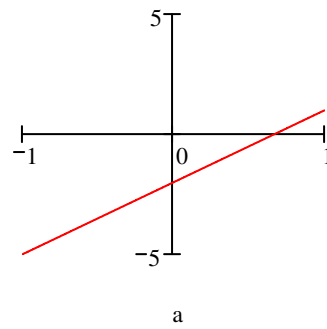
$$\underline{5 \cdot z^2 - 5}$$



$$3 \cdot a - 2 = 0$$

$$\frac{2}{3}$$

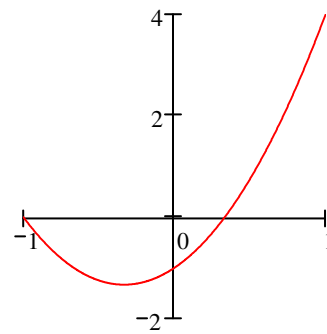
$$\underline{(3 \cdot a - 2)}$$



$$0 = 3 \cdot a^2 + 2a - 1$$

$$\begin{pmatrix} -1 \\ \frac{1}{3} \end{pmatrix}$$

$$\underline{3 \cdot a^2 + 2 \cdot a - 1}$$



$$(z + 1) \cdot (z - 1)$$

$$\begin{pmatrix} 1 \\ -1 \end{pmatrix}$$

$$\underline{(z+1) \cdot (z-1)}$$

