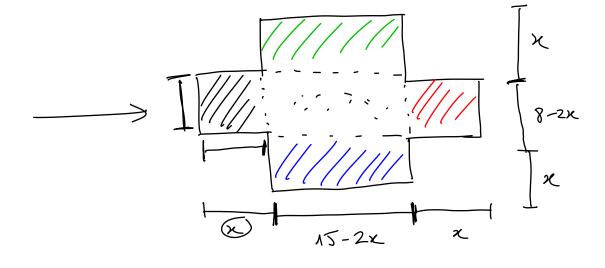
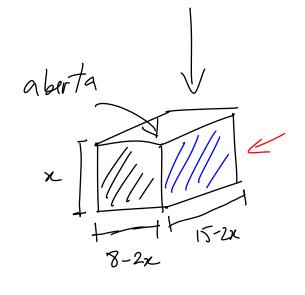
$$f(x) = \frac{x^2 - x}{x - 1} = \frac{x(x - 1)}{x - 1} = x$$

$$g(x) = x$$

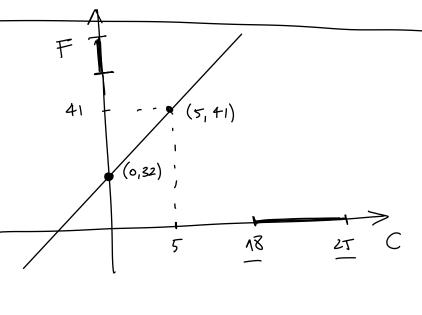
$$V = (8-2x)(\lambda J - 2x) \chi$$

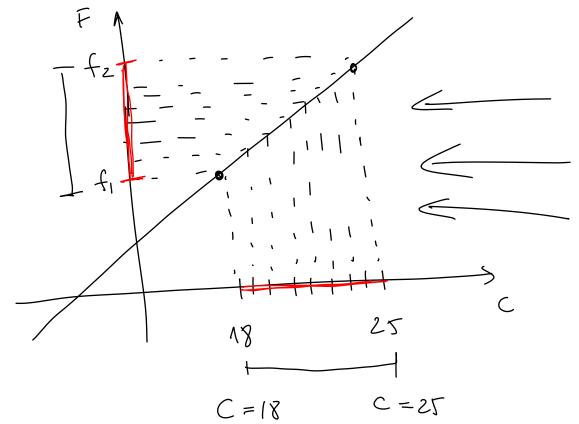




$$F = \frac{9}{5}C + 32 \qquad \frac{\text{(reta)}}{}$$

$$\left\| \begin{cases} C \Rightarrow \Rightarrow F = 32 \\ C = 5 \Rightarrow F = \frac{9}{5}, 5 + 32 = 41 \end{cases} \right\|$$





$$y = ax^2 + bx + c \qquad a \neq 0$$

$$\rightarrow \chi^2 + 6\chi + 9 = 0 \quad \leftarrow$$

$$\frac{x^{2}+2\cdot 3\cdot x+9}{2}=0$$

$$\frac{1}{\sqrt{(\chi+3)^2}} = 0$$

$$\sqrt{(\chi+3)^2} = 0$$

$$|x+3|=0$$

$$= \begin{cases} x+3 = 0, & & & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ &$$

$$\Rightarrow \begin{cases} \chi = -3 \\ -\chi - 3 = 0 \end{cases} \Rightarrow \begin{cases} \chi = -3 \\ -\chi = 3 \end{cases} \Rightarrow \begin{cases} \chi = -3 \\ \chi = -3 \end{cases}$$

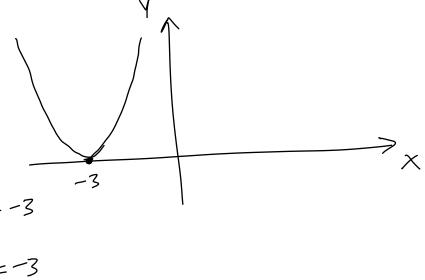
$$(x-2)^{2} = (x-2)(x-2) = x^{2}-2 \cdot (-2) \cdot x + (-2)^{2}$$

$$= x^{2}+4x+4$$

$$= x^{2}+2\alpha x + \alpha^{2}$$

$$(x+\alpha)^{2} = x^{2}+2\alpha x + \alpha^{2}$$

$$|x+3| = \begin{cases} x+3, & \text{for } x-3 \ge 0 \\ -(x+3), & \text{for } x-3 < 0 \end{cases}$$



$$x^2 + 18x - 19 = 0 \otimes$$

$$= \frac{\chi^2 + 2.9.x - 19.50}{-1.5}$$

$$(x+9)^{2} = x^{2}+2.9x+81$$

$$= x^{2}+18x+81$$

$$\chi^{2} + 18 \times - 19 + 81 - 81 = 0 \quad (\%)$$

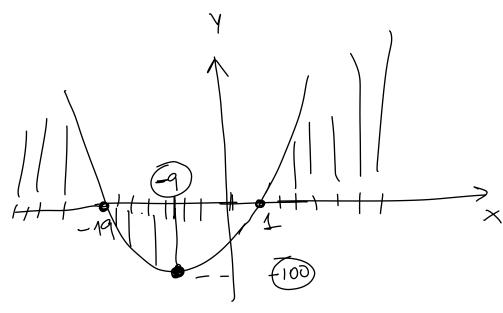
$$= \frac{x^2 + 18x + 81}{(x + q)^2} = 19 + 81$$

$$(x+q)^{2} = 0 \Leftrightarrow x+q=0$$

$$\Leftrightarrow x = -q$$

$$(\chi - \alpha)^2 = \chi^2 - 2\alpha\chi + \alpha^2$$

 $(\chi + \alpha)^2 = \chi^2 + 2\alpha\chi + \alpha^2$
 $= \chi^2 + 2\alpha\chi + \alpha^2$



$$\frac{(x+a)^{2}-100}{f(x)}=0$$

$$f(x) = -100$$

$$|x+9|^{2} = |00|$$

$$|x+9| = 10$$

$$x+9 = 10 \Rightarrow (x-1)$$

$$x+9 = -10 \Rightarrow (x-1)$$

$$f \circ g = f(g(x)) = f(\textcircled{a}) =$$

$$\frac{f(x) = x^2 - 1}{f(x)} \qquad f(x)$$

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

$$f(g(x)) = f(2x+1) = /(2x+1)^2 - 1$$