

y=(x-p)2+q

y=(2+3)2-1

y= a=2+62+c

-(-p)=+P

Snyp 
$$\alpha - \alpha s \Rightarrow y = 0$$

$$(x - p)^{2} + q = 0$$

$$(x - p)^{2} = -q$$

$$y = (2-3)^{2} + 25$$

$$(2-3)^{2} + 25 = 0$$

$$(2-3)^{2} + 25 = 0$$

$$(2-8)^{2} = -25$$

$$4^{2} - 8^{2}$$

$$\frac{\sqrt{3}}{2} \frac{k\omega}{2} > \left(\frac{13}{2}\right)^{2}$$

$$2^{2} - 15x + \left(\frac{15}{2}\right)^{2} - \left(\frac{13}{2}\right)^{2} - 7 = 0$$

$$\left(2 - \frac{15}{2}\right)^{2} - \frac{169}{4} - \frac{28}{4} = 0$$

22-132-4=0

$$a = 1$$
  
 $b = -3$   
 $c = 2$ 
 $D = b^{2} - 4ac$   
 $D = (-3)^{2} - 4.1.2$   
 $= g - 8 \Rightarrow D = 1$ 

22-32+2=0

$$= \frac{-2 \pm 2\sqrt{8}}{2 \cdot \frac{2}{3}} = \frac{2(-1 \pm \sqrt{3})}{2 \cdot \frac{2}{3}}$$

 $\frac{2}{3}x^2 + 2x - 3 = 0 \quad |X3|$ 

222+62-g=0

$$= \frac{-2 \pm 2 \sqrt{8}}{2 \cdot \frac{2}{3}} = \frac{2}{2}$$

$$= (-1 + \sqrt{3}) * \frac{3}{2}$$

$$2i_1 = -\frac{3}{2} + \frac{3}{2} \sqrt{3}$$

$$= (-1 \pm \sqrt{3}) * \frac{3}{2}$$

$$= -\frac{3}{2} + \frac{3}{2} \sqrt{3}$$

$$2z_{1} = -\frac{3}{2} + \frac{3}{2}\sqrt{3}$$

$$2z_{2} = -\frac{3}{2} - \frac{3}{2}\sqrt{3} \le 2$$

=-= ± = V3

$$x^{2} + bx + t = 0$$

$$x - coördn. 3njpunten. V/d$$

$$parabool net x - as (y=0)$$

$$x(1-x) = -2$$

$$parabool sugdt lyn y = -2$$

$$(\sqrt{2}-1)(\sqrt{2}-3) = 1$$

$$5tel y = \sqrt{2}$$

$$y^{2} - 4y + 3 = 1$$

$$y^{2} - 4y + 3 = 1$$

$$b = -4$$

$$b = -4$$

$$c = 2$$

$$d = 8$$

$$y_{1}x = \frac{-(-4)^{2} + 1}{2}$$

$$y_{1} = \frac{4 + 2\sqrt{2}}{2} = 2 + 1\sqrt{2}$$

$$y_{1} = 2 + \sqrt{2} \implies 2 \cdot (2 + \sqrt{2})^{2} = 4 + 2\sqrt{2} + 2 = 6 + 2\sqrt{2}$$

$$y_{2} = 2 - \sqrt{2} \implies 2 \cdot (2 - \sqrt{2})^{2} = 4 - 2\sqrt{2} + 2 = 6 - 2\sqrt{2}$$

4= 0002+ b2+c

f(x) 15 2e gn. vg/. g(x) " 1ª gr. ng/. D=0 Snyp. van f(x) en g(x). f(x) = g(x)22-32-10=0 = oplossings vgl.

$$\begin{cases}
\chi(x) & \text{is } z^{c} \text{ gr. } vg \mid \\
\chi(x) & \text{is } z^{c} \text{ gr. } vg \mid \\
\chi(x) & \text{fix}
\end{cases}$$

$$\begin{cases}
\chi(x) & \text{is } z^{c} \text{ gr. } vg \mid \\
\chi(x) & \text{fix}
\end{cases}$$

$$\begin{cases}
\chi(x) & \text{fix}
\end{cases}$$

$$\frac{|b, 13 \ \alpha}{\boxed{1}} \frac{\alpha}{y = \alpha(x - \alpha_t)^2 + y_t}$$

$$T(0,0) \rightarrow y = \alpha(x - 0)^2 + 0$$

$$\Re(1,2) \rightarrow x = \alpha(1-0)^2 + 0$$

$$\Re(x - 0)^2 + 0$$

$$\Re(x - 0)^2 + 0$$

 $2 = \alpha(1-0)^2 + 0$ 

T(0,0,

 $I) y = \alpha x^2 + b x + c$ 

16.18 e

Get 
$$f(x) = x^2 - 2x - 3$$
 $f(x) = -x^2 + 2x - 5$ 

Veracy be paid snyp  $f(x)$  and  $g(x)$ 
 $f(x) = g(x)$ 
 $f(x) = g(x$ 

LOPE