

$$17 \cdot x^2 + 12 \cdot x \cdot y + 8 \cdot y^2 = 100$$

$$\begin{pmatrix} \frac{10 \cdot \sqrt{17 - y^2}}{17} - \frac{6 \cdot y}{17} \\ -\frac{6 \cdot y}{17} - \frac{10 \cdot \sqrt{17 - y^2}}{17} \end{pmatrix} \quad \begin{matrix} x1(y) := \frac{10 \cdot \sqrt{17 - y^2}}{17} - \frac{6 \cdot y}{17} \\ x2(y) := -\frac{6 \cdot y}{17} - \frac{10 \cdot \sqrt{17 - y^2}}{17} \end{matrix}$$

$$\begin{matrix} x1(-\sqrt{17}) = 1.455 & x1(0) = 2.425 \\ x2(-\sqrt{17}) = 1.455 & x2(0) = -2.425 \end{matrix}$$

$$x = 0 \quad \Rightarrow \quad y1 := \sqrt{\frac{100}{8}} \quad y1 = 3.536 \quad x1(y1) = 0 \quad x2(y1) = -2.496 \quad \text{geen geldige oplossing}$$

$$y2 := -\sqrt{\frac{100}{8}} \quad y1 = 3.536 \quad x1(y2) = 2.496 \quad x2(y2) = 0 \quad \text{geen geldige oplossing}$$

$$y := -\sqrt{17}, -\sqrt{17} + 0.0001.. \sqrt{17}$$

