Nr 12 p 81

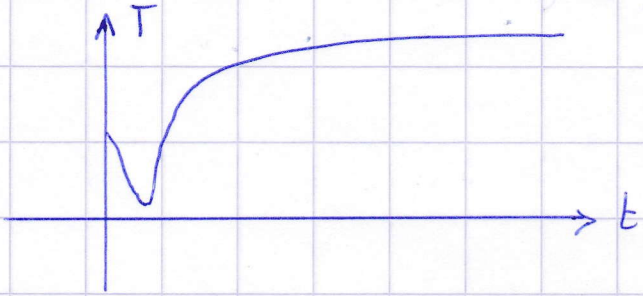
$$T(t) = \frac{3t^2 - 6t + 3}{t^2 - 2t + 2}$$

T in °C, t tijd in h

$t = 0 \rightarrow$ 3h 's nachts

a) x-as: $0 \rightarrow 24$ 1 dag

y-as: $0 \rightarrow 3$ zie table



b) $y_2 = 1$ calc, intersect

angle, 4: DMS

$x_1 = 0{,}29 \overset{+3}{\Rightarrow} 3{,}29 \Rightarrow$ 3 h 17 min 25 s

$x_2 = 1{,}71 \Rightarrow 4{,}71 \Rightarrow$ 4 h 42 min 36 s

$x_2 - x_1 = 4{,}71 - 3{,}29 = 1{,}42 \Rightarrow$ 1 h 25 min 12 s

Antw gedurende 1 h 25 min 12 s

van 3 h 17 min 25 s tot 4 h 42 min 36 s

c) calc, min $x = 1$ $y = 0$

Antw: om 4h 's nachts

d)

t	T(t)
10	2,9634
100	2,9997
1000	3

zie table

Antw: naar 3 °C