Bewegend punt

1 maximumscore 4

- $(1-t^2=0$ geeft $t=-1$ of $t=1$; $y(-1)=0$, dus) bij punt A hoort $t=1$ — 1
- $\frac{\mathrm{d}x}{\mathrm{d}t}=-2t$ en $\frac{\mathrm{d}y}{\mathrm{d}t}=2(1+t)$ — 1
- $\left[\frac{\mathrm{d}x}{\mathrm{d}t}\right]_{t=1}=-2$ en $\left[\frac{\mathrm{d}y}{\mathrm{d}t}\right]_{t=1}=4$ — 1
- De snelheid is ($\sqrt{(-2)^2+4^2}=$) $2\sqrt{5}$ (of $\sqrt{20}$) — 1

2 maximumscore 4

- $x+y=1-t^2+1+2t+t^2$ — 1
- $x+y=2(1+t)$ (of $x+y=2+2t$) — 1
- $(x+y)^2=4(1+t)^2$ — 1
- $4y=4(1+t)^2$ (dus is $(x+y)^2=4y$) — 1

of

- Te bewijzen is $(1-t^2+(1+t)^2)^2=4(1+t)^2$ (voor elke waarde van t) — 1
- $1-t^2+(1+t)^2=2+2t$ — 1
- $(2+2t)^2=4+8t+4t^2$ — 1
- $4(1+t)^2=4+8t+4t^2$ (dus is $(x+y)^2=4y$) — 1