

Jessenia bello quiz lecture 18

Answer 1: $r(t) = \langle 0, 1 \rangle + t \langle 2, 3 \rangle =$

$r(t) = \sqrt{13t^2 + 6t + 1} dt =$

$\int (2t)(3t+1)\sqrt{13t^2+6t+1} dt$

Answer 2:

$\int (t^2 t^6)(2t dt) +$

$t^4 t^3 (3t^2 dt)$

$\int (5t^9 dt) = 5t^{10}/10 - 0 = 1/2$