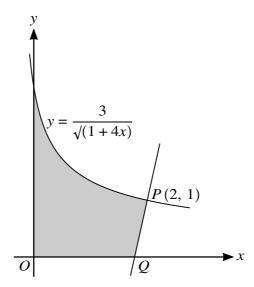
**(i)** 



The diagram shows part of the curve  $y = \frac{3}{\sqrt{(1+4x)}}$  and a point P(2, 1) lying on the curve. The normal to the curve at P intersects the x-axis at Q.

Show that the x-coordinate of Q is $\frac{16}{9}$ .	[5]

[6
•••••
•••••