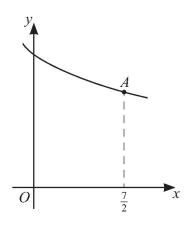
*



The diagram shows part of the curve with equation $y = \frac{12}{\sqrt[3]{2x+1}}$. The point *A* on the curve has coordinates $(\frac{7}{2}, 6)$.

(a)	Find the equation of the tangent to the curve at A. Give your answer in the form $y = mx + c$. [4]



(b)	Find the area of the region bounded by the curve and the lines $x = 0$, $x = \frac{7}{2}$ and $y = 0$.

[4]