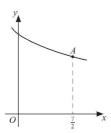
8



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.



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(b)

Find the area of the region bounded by the curve and the lines $x = 0$, $x = \frac{7}{2}$ and $y = 0$. [4]

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