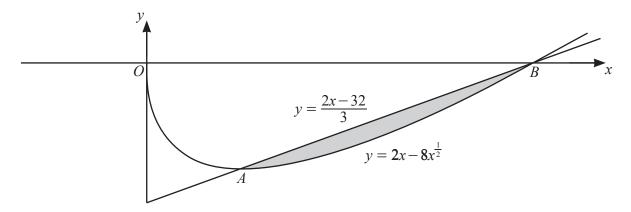
.)	Find the coordinates of A and B .	
		•••••

(b)



The diagram shows the curve with equation $y = 2x - 8x^{\frac{1}{2}}$ and the line AB. It is given that the equation of AB is $y = \frac{2x - 32}{3}$.

Find the area of the shaded region between the curve and the line.	[5]