4	**(i)**	**(a)**	$2x + 3$	**B1** **B1** **[2]**	**1.1** **1.1**	B1 for $2x$ or $2x^1$ B1 for $+3$ or $+3x^0$	
4	**(i)**	**(b)**	$2x + 3 > 0$ $x > -\frac{3}{2}$	**M1** **A1f** **[2]**	**1.1** **2.2a**	ft their (i)(a) Allow $x = -\frac{3}{2}$ is min, stated or shown ft their **(i)(a)** so long as two terms	
4	**(ii)**		$3x$ $-4x^{\frac{1}{2}}$ $-\frac{4x^{\frac{3}{2}}}{\frac{3}{2}}$ $-\frac{8}{3}x^{\frac{3}{2}}$ or equivalent $3x - \frac{8}{3}x^{\frac{3}{2}} + c$	**B1** **M1** **M1** **A1** **B1f** **[5]**	**1.1** **1.1** **1.2** **1.1** **2.5**	M1 for $x^{\frac{1}{2}}$ seen before integration M1 for $x^{\frac{3}{2}}$ or equiv seen after integ or increase their fractional power by 1 ISW Their integral + c in final ans ISW eg "$y =$" or attempt find c B0 if include integral sign or dx.	May be implied by next line Correct ans, no working: full mks