Find	the rate at s	which the <i>x</i>	-coordina	te of noi	nt P is in	reaging v	when v -	32	
ring	ine rate at	willen the x	-coordina	iic or pon	111 15 111	cicasing v	when y =	34.	
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10 The equation of a curve is $y = (5-2x)^{\frac{3}{2}} + 5$ for $x < \frac{5}{2}$.

(b)	Point <i>A</i> on the curve has <i>y</i> -coordinate 32. Point <i>B</i> on the curve is such that the gradient of the curve at <i>B</i> is -3 .										
	Find the equation of the perpendicular bisector of AB . Give your answer in the form $ax + by + c = 0$, where a , b and c are integers.										

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