

(a)

9	The ea	uation of a c	curve is $\nu$ =	= 4 + 5x +	$-6x^2 - 3x^3$
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Find the set of values of x for which y decreases as x increases.	[4]
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12

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13

**(b)** It is given that y = 9x + k is a tangent to the curve.

Find the value of the constant $k$ .	[4]