	V		A section of the first of the section of the sectio	·[5]
	(11)	(a)	Given that $y = 2x^2 - 5x + 3$ , find $\frac{dy}{dx}$ from first principles.	101
		(b)	Find the equation of the normal to the curve $y = 2x^2 - 5x + 3$ at the point (2, 1).	[3]
				Jan 07
	112	Giver	$y = x^2 - 12x + 10$ , find $\frac{dy}{dx}$ from first principles.	[5]
				June 07
	(13)	(a)	Given that $y = 3x^2 - 4x \div 7$ , find $\frac{dy}{dx}$ from first principles.	[5]
		(b)	Differentiate $5\sqrt{x} - \frac{3}{x^3}$ with respect to x.	[2]
				Jan 08
	(14)		Given that $y = 5x^2 + 3x - 4$ , find $\frac{dy}{dx}$ from first principles.	[5]
		<i>(b)</i>	Given that $y = \frac{8}{x} + 3\sqrt{x}$ , find the value of $\frac{dy}{dx}$ when $x = 4$ .	[4]
				June 08
	(15)	(a)	Given that $y = 7x^2 \div 5x - 2$ , find $\frac{dy}{dx}$ from first principles.	[5]
		(b)	Differentiate $\frac{2}{x^3} + 5x^{\frac{2}{3}}$ with respect to x.	[2]
	(16)			Jan 09
		(a)	Given that $y = 4x^2 - 5x - 3$ , find $\frac{dy}{dx}$ from first principles.	[5]
		(b)	Differentiate $7x^{\frac{3}{4}} - \frac{2}{x^4}$ with respect to x.	[2]
			*	June 09
K	(117)	(a)	Given that $y = 3x^2 - 7x - 5$ , find $\frac{dy}{dx}$ from first principles.	[5]
			Given that $y = ax^{\frac{5}{2}}$ and $\frac{dy}{dx} = -2$ when $x = 4$ , find the value of the constant a.	[3]
			. ax	Jan 10
	618	) (a)	Given that $y = -x^2 + 5x - 9$ , find $\frac{dy}{dx}$ from first principles.	[5]
	0		Given that $y = \frac{3}{4}x^{\frac{1}{3}} + \frac{12}{x^2}$ , find the value of $\frac{dy}{dx}$ when $x = 8$ .	[4]
		(2)	$\frac{dx}{dx}$	June 10
	(19	) (a)	Given that $y = 6x^2 + 4x - 9$ , find $\frac{dy}{dx}$ from first principles.	[5]
		47.1	Differentiate $\frac{3}{x^4} - 7x^{\frac{1}{3}}$ with respect to x.	[2]
		(0)	Latterentiale x4	Jan 11
		١,,	Given that $y = 7x^2 - 5x \div 2$ , find $\frac{dy}{dx}$ from first principles.	[5]
	(150	) (a)	Given that $y = 1x^2 - 3x + 2$ , that $\frac{1}{dx}$ from that principles	
		(b)	Differentiate $4x^{\frac{2}{5}} - \frac{9}{x} - 6$ with respect to x.	[2]
			Δ.	June 11