Extended Mathematics

Topic : Algebra -1

Year: May 2013 - May 2023

Paper - 2 Questions

Question 1

$$y = \sqrt{8 + \frac{4}{x}}$$

Find y when x = 2.

Give your answer correct to 4 decimal places.

 $Answer y = \dots [4]$

Question 2

Factorise completely ab + bc + ad + cd.

Answer [2]

Question 3

Find the value of 2x + y for the simultaneous equations.

$$3x + 5y = 48$$
$$2x - y = 19$$

Answer
$$2x + y = \dots$$
 [4]

Question 4

Use the quadratic equation formula to solve

$$2x^2 + 7x - 3 = 0.$$

Show all your working and give your answers correct to 2 decimal places.

Answer $x = \dots$ or $x = \dots$ [4]

Question 5

Solve the equation.

$$5(2v - 17) = 60$$

Answer
$$y = \dots$$
 [3]

Question 6

Factorise completely.

$$kp + 3k + mp + 3m$$

Question /			
(a) Factorise $x^2 +$	x - 30.		
		Answer(a)	[2]
(b) Simplify $\frac{(x-x^2)^2}{x^2}$	$\frac{-5)(x+4)}{+x-30}$.		
		Answer(b)	[1]
Question 8			
Factorise completely.	ap + bp - 2a - 2b		
		Answer	[2]
Question 9			
Factorise completely.			
	$12xy - 3x^2$		
		Answer	[2]
Question 10			
(a) Expand and simp	plify $(a+b)^2$.		
		Answer(a)	[2]
(b) Find the value of	$f a^2 + b^2 \text{ when } a + b = 6$	and $ab = 7$.	
		Answer(b)	[1]
Question 11			
The solutions of the <i>d</i> is a prime number.	equation $x^2 - 6x + d = 0$	are both integers.	
Find d .			
		1	[3
Question 12		Answer a –	[3
Solve the equation	1 + 2x = -15.		
		Answer $x = \dots$	[2]
Question 13			
Find the co-ordinates	of the point of intersection	of the two lines.	
	2x - 7	v = 2	
	4x + 5		

Answer (.....,) [3]

Factorise completely.

(a)
$$a + b + at + bt$$

(b)
$$x^2 - 2x - 24$$

Question15

Solve the equation.

$$5 - 2x = 3x - 19$$

Question 16

$$Answer x =$$
 [2]

(a) Factorise $3x^2 + 2x - 8$.

(b) Solve the equation $3x^2 + 2x - 8 = 0$.

Answer(b)
$$x =$$
 or $x =$ [1]

Question 17

Factorise completely.

$$15a^3 - 5ab$$

Question 18

Simplify.

$$\frac{x^2 + 6x - 7}{3x + 21}$$

Answer [4]

Question 19

Factorise completely.

(a)
$$4p^2q - 6pq^2$$

(b)
$$u + 4t + ux + 4tx$$

Question 20

Solve the equation.

$$\frac{3}{2x} + \frac{1}{x+1} = 0$$

$$Answer x =$$
 [3]

Solve the simultaneous equations.

$$2x - y = 7$$
$$3x + y = 3$$

Answer $x = \dots$

Question 22

Factorise completely.

(a)
$$ax + ay + bx + by$$

(b)
$$3(x-1)^2 + (x-1)$$

Question 23

Solve the equation.

$$\frac{n-8}{2}=11$$

Answer
$$n =$$
 [2]

Question 24

$$y = \frac{2}{x^2} + \frac{x^2}{2}$$

Find the value of y when x = 6.

Give your answer as a mixed number in its simplest form.

$$Answer\ y = \dots [2]$$

Question 25

Solve the equation.

$$\frac{2x+5}{3}=8$$

 $Answer x = \dots [3]$

Question 26

Simplify.

$$\frac{4x^2 - 16x}{2x^2 + 6x - 56}$$

Answer(b) [4]

Question 27			
Solve the simultaneous equations. You must show all your working.	$\frac{1}{2}x - 8y = 1$ $x + 2y = 6\frac{1}{2}$		
		Answer $x = \dots$	
		<i>y</i> =	[3]
Question 28			
Factorise $14p^2 + 21pq$.			
Question 29		Answer	[2]

Show your working and give your answers correct to 2 decimal places.

 $2x^2 + x - 2 = 0$

Question 30

Solve the equation.

Solve the equation.

$$3(x+4) = 2(4x-1)$$

 $Answer x = \dots [3]$

Question 31

Factorise $2x^2 - 5x - 3$.

Question 32

Factorise completely.

$$9x^2 - 6x$$

$$f(x) = x^2 + 4x - 6$$

(a) f(x) can be written in the form $(x+m)^2 + n$.

Find the value of m and the value of n.

 $Answer(a) m = \dots$

$$n = \dots$$
 [2]

(b) Use your answer to part (a) to find the positive solution to $x^2 + 4x - 6 = 0$.

$$Answer(b) x =$$
 [2]

Question 34

Factorise completely.

(a)
$$yp + yt + 2xp + 2xt$$

(b)
$$7(h+k)^2-21(h+k)$$

Question 35

Solve the simultaneous equations. You must show all your working.

$$5x + 2y = -2$$
$$3x - 5y = 17.4$$

$$Answer x =$$

$$y =$$
 [4]

Question 36

Simplify.

$$6uw^{-3} \times 4uw^{6}$$

Question 37

Expand and simplify.

$$x(2x+3)+5(x-7)$$

Simplify.		
$\frac{4+10w}{8-50w^2}$		
	Answer	[4
Question 39		
Solve the equation $3x^2 + 4x - 5 = 0$. Show all your working and give your answers	correct to 2 decimal places.	
	Answer $x = \dots$ or $x = \dots$	[4]
Question 40		
Simplify. $1 - 2u + u + 4$		
	Answer	[2]
Question 41		
Factorise completely. $2x - 4x^2$		
	Answer	[2]
Question 42		
Solve the equation $5x^2 - 6x - 3 = 0$. Show all your working and give your answer	ers correct to 2 decimal places.	
	Answer $x = \dots$ or $x = \dots$	[4]
Question 43		
Factorise		
(a) $9w^2 - 100$,		
	Answer(a)	[1]
(b) $mp + np - 6mq - 6nq$.		
	Answer(b)	[2]
Question 44		
Simplify. $\frac{x^2 - 16}{x^2 - 3x - 4}$		
	Answer	[4]

Factorise completely.

(a)
$$ax + ay + 3cx + 3cy$$

(b)
$$3a^2 - 12b^2$$

Question 46

Solve the equation $3x^2 - 11x + 4 = 0$.

Show all your working and give your answers correct to 2 decimal places.

$$x =$$
 or $x =$ [4]

Question 47

Factorise 2x - 4xy.

Question 48

Solve (x-7)(x+4) = 0.

$$r =$$
 or $r =$ [1]

Question 49

Solve the equation.

$$6(y+1) = 9$$

Question 50

Solve the simultaneous equations.

Show all your working.

$$3x + 4y = 14$$
$$5x + 2y = 21$$

$$y =$$
 [3]

Question 51

 $y = x^2 + 7x - 5$ can be written in the form $y = (x + a)^2 + b$.

Find the value of a and the value of b.

$$b = \dots [3]$$

_				
Fac	torise	comp	lete	ly

(a)
$$2a+4+ap+2p$$

(b)
$$162 - 8t^2$$

Question 53

$$y = mx + c$$

Find the value of y when m = -2, x = -7 and c = -3.

Question 54

Simplify.

$$\frac{42np-7n}{12pt-2t+18mp-3m}$$

Question 55

$$V = 4p^2$$

Find V when p = 3.

Question 56

Factorise.

(a)
$$m^3 + m$$

(b)
$$25 - y^2$$

(c)
$$x^2 + 3x - 28$$

Solve the simultaneous equations. You must show all your working.

$$\frac{1}{2}x + y = 8$$

$$x - 2y = 2$$

Question 58

Solve the equation.

$$6(k-8) = 78$$

k =[2]

Question 59

Solve the equation $2x^2 + 3x - 3 = 0$.

Show all your working and give your answers correct to 2 decimal places.

$$x =$$
 or $x =$ [4]

Question 60

Factorise completely.

(a)
$$4p^2 - 9$$

(b)
$$2ax - 4bx - ay + 2by$$

Solve the simultaneous equations. You must show all your working.

$$2x + 3y = 13$$
$$x + 2y = 9$$

Question 62

Simplify. $\frac{x^3y + 2xy}{x^2y^2}$

Factorise completely.				
(a) $15c^2 - 5c$				F0.7
(b) 21- 1-16- 2				[2]
(b) $2kp - km + 6p - 3m$				[2]
Question 64				
$s = ut + 16t^2$				
Find the value of <i>s</i> when $u = 2$ and $t = 3$	= 3.			
Question 65		<i>S</i> ' =	='	[2]
Expand the brackets and simplify.				
Expand the ordeness and simplify.	4(5w+3)-2(w-	-1)		
Question 66				[2]
(a) Simplify.				
$\frac{4(x-6)^2}{(x-6)}$				
(x-6)				F11
(b) Expand the brackets and simplify	y.			[1]
	$(x+4)^2 + 5(3x+$	2)		
Question 67				[3]
Solve the equation $5x^2 + 10x + 2 = 0$	0.			
You must show all your working and		orrect to 2 de	ecimal places.	
Question 68		x =	or $x = \dots$	[4]
Factorise completely.				
$4x^2 - 8xy$				
Overtice (0				[2]
Question 69 Factorise completely.				
(a) $9t^2 - u^2$				[2]
(b) $2c-4d-pc+2pd$				[∠]

.....[2]

Solve.

$$2 - x = 5x + 1$$

$$x = \dots [2]$$

Question 71

Find the value of 5a-3b when a=7 and b=-2.

Question 72

Factorise.

$$14x-21y$$

Question 73

Factorise completely.

$$12n^2 - 4mn$$

.....[2]

Question 74

Factorise completely.

(a)
$$x^2 - x - 132$$

(b)
$$x^3 - 4x$$

Question 75

Solve the equations.

(a)
$$7-3n=11n+2$$

(b)
$$\frac{p-3}{5} = 3$$

$$n = \dots [2]$$

$$p = \dots [2]$$

(
Solve the simultaneous equations. You must show all your working.	
$y = \frac{x}{2}$	
2x - y = 1	
·	x =
	,, – [3:
Question 77	$y = \dots [3]$
Expand the brackets and simplify.	
(5-n)(3+n)	
	[2]
Question 78	
Factorise completely.	
$12x^2 + 15xy - 9x$	
Question 79	[2
Solve the equation $2x^2 + 7x - 3 = 0$.	
Show all your working and give your answers correct to 2 decimal	al places.
Question 80	$x = \dots $ or $x = \dots $ [4]
Solve the simultaneous equations.	
You must show all your working.	
$2x + \frac{1}{2}y = 13$	
3x + 2y = 17	
	x =
	<i>y</i> =[3]
Question 81	
Factorise completely. $15k^2m - 20m^4$	
Question 82	[2]
Expand the brackets and simplify. $(2p+3)(3p-2)$	

Question 83	
Simplify. $3+x$	
$\frac{3+x}{9-x^2}$	
Question 84	[2]
Factorise completely. $2a + 4b - ax - 2bx$	
Question 85	[2]
Solve.	
$\frac{1-p}{3} = 4$	[2]
Question 86	[2]
Factorise. $w + w^3$	
Question 87	[1]
Factorise completely. $xy + 2y + 3x + 6$	
Question 88	[2]
Complete these statements.	
(a) When $w = \dots, 10w = 70$.	[1]
(b) When $5x = 15$, $12x = \dots$	[1]
Question 89	
Expand. $7(x-8)$	
	[1]
Question 90	
Expand and simplify. $6(2y-3) - 5(y+1)$	

Find the value of 7x + 3y when x = 12 and y = -6.

Question 92

Factorise completely.

- (a) px + py x y
- **(b)** $2t^2 98m^2$

Question 93

Simplify.

$$\frac{2x^2 - x - 1}{2x^2 + x}$$

Question 94

Solve the equation $3x^2 - 2x - 2 = 0$.

Show all your working and give your answers correct to 2 decimal places.

Question 95

Solve.

$$3w - 7 = 32$$

Question 96

Simplify.

$$2p - q - 3q - 5p$$

Question 97

Factorise.

$$y-2y^2$$

.....[2]

.....[2]

.....[1]

$$x^2 - 12x + a = (x+b)^2$$

Find the value of a and the value of b.

a =

 $b = \dots [3]$

.....[2]

Question 99

Factorise.

$$xy + 5y + 2x + 10$$

Question 100

Expand.

$$2x(3-x^2)$$

Question 101

Use the quadratic formula to solve the equation $3x^2 + 7x - 11 = 0$.

You must show all your working and give your answers correct to 2 decimal places.

$$x =$$
 or $x =$ [4]

Question 102

Solve the simultaneous equations.

You must show all your working.

$$2x + 3y = -12$$

$$5x + 2y = 14$$

x =

$$y = \dots [4]$$

Question 103

Expand and simplify.

$$(3x-7)(2x+9)$$

Question 104

$$\frac{ab-b^2}{a^2-b^2}$$

.....[3]

.....[2]

Factorise.

(a)
$$7k^2 - 15k$$

(b) $12(m+p)+8(m+p)^2$

.....[2]

Question 106

Simplify $\frac{x^3 + 5x^2}{x^2 - 25}$, giving your answer as a single fraction.

.....[3]

Question 107

One solution of the equation $ax^2 + a = 150$ is x = 7.

(a) Find the value of a.

$$a = \dots$$
 [2]

(b) Find the other solution.

$$x =$$
 [1]

Question 108

Rearrange 2(w+h) = P to make w the subject.

$$w = \dots [2$$

Question 109

Factorise $2x^2 - x$.

Question 110

Solve the equation $3x^2 - 2x - 10 = 0$.

Show all your working and give your answers correct to 2 decimal places.

$$x = \dots$$
 or $x = \dots$ [4]

Question 111

Solve the simultaneous equations.

You must show all your working.

$$5x + 8y = 4$$
$$\frac{1}{2}x + 3y = 7$$

$$y =$$
 [3]

Solve the equation.

$$9f + 11 = 3f + 23$$

Question 113

- (a) Factorise $p^2 q^2$.
- **(b)** $p^2 q^2 = 7$ and p q = 2.

Find the value of p + q.

Question 114

Expand and simplify.

$$(x+1)(x+2) + 2x(x-3)$$

Question 115

$$x^2 + 4x - 9 = (x+a)^2 + b$$

Find the value of a and the value of b.

Factorise 5y - 6py.

Question 117

Factorise.

(a)
$$12x + 15$$

(b)
$$xy - 2x + 3y - 6$$

Question 118

Expand and simplify (x+3)(x+5).

$$f = \dots [2]$$

$$b = \dots [3]$$

(a) Factorise.

$$18y - 3ay + 12x - 2ax$$

.....[2]

(b) Factorise.

$$3x^2 - 48y^2$$

.....[3]

Question 120

Expand.

$$a(a^3 + 3)$$

Question 121

Question 121

Solve. $\frac{x-2}{3} = 3$

$$x =$$
 [2]

Question 122

Simplify
$$5c-d-3d-2c$$
.

Question 123

Factorise 5p + pt.

Question 124

$$x^2 - 12x + a = (x+b)^2$$

Find the value of a and the value of b.

$$b = \dots [2]$$

Question 125

Solve the simultaneous equations.

You must show all your working.

$$x = 7 - 3y$$
$$x^2 - y^2 = 39$$

$$x = \dots y = \dots$$

$$x = \dots y = \dots [6]$$

(a) Factorise completely.

$$3x^2 - 12xy$$

.....[2]

(b) Expand and simplify.

$$(m-3)(m+2)$$

.....[2]

Question 127

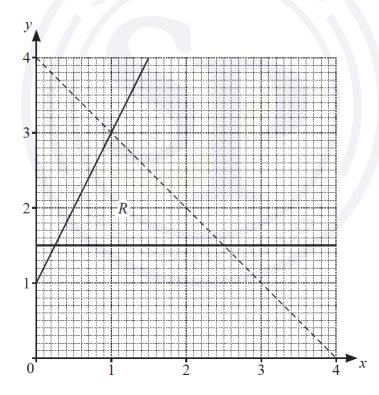
(a) Write $x^2 - 18x - 27$ in the form $(x+k)^2 + h$.

.....[2]

(b) Use your answer to part (a) to solve the equation $x^2 - 18x - 27 = 0$.

$$x =$$
 or $x =$ [2]

Question 128



Write down the three inequalities that define the region R.

 [4]

Question 129		
Simplify. $\frac{2x^2 + x - 15}{ax + 3a - 2bx - 6b}$		
Question 130		[5]
Solve the equation. $\frac{1-x}{3} = 5$		
	<i>x</i> =	[2]
Question 131		
Simplify. $\frac{p}{2q} \times \frac{4pq}{t}$		[2]
Question 132		[-]
y = mx + c		
Find the value of y when $m = -3$, $x = -2$ and $c = -8$.		
	<i>y</i> =	[2]
Question 133		
Expand and simplify $(x+3)(x-5)(3x-1)$.		
Question 134		[3]
The curve $y = x^2 - 2x + 1$ is drawn on a grid. A line is drawn on the same grid. The points of intersection of the line and the curve are used to	to solve the equation $x^2 - 7x + 5 = 0$.	
Find the equation of the line in the form $y = mx + c$.		
Question 135	<i>y</i> =	[1]
Factorise completely.		
(a) $21a^2 + 28ab$		
(b) $20x^2 - 45y^2$		[2]
		[3]

Question 136 Simplify. $\frac{x^2 - 25}{x^2 - 17x + 60}$		
Question 137 Factorise. $3x + 8y - 6ax - 16ay$		[4]
Question 138 $m = 2p + \sqrt{\frac{x}{y}}$		[2]
Make <i>x</i> the subject of this formula. Question 139	<i>x</i> =	[3]
Solve the simultaneous equations. You must show all your working. 3x - 8y = 22 $x + 4y = 4$		
Question 140	<i>y</i> =	[3]
Simplify. $\frac{ux - 2u - x + 2}{u^2 - 1}$		

.....[4]

Write as a single fraction in its simplest form.

$$2 - \frac{2x-1}{x+1}$$

.....[3]

Question 142

Solve the simultaneous equations.

$$2x + y = 7$$
$$3x - y = 8$$

x =

$$y = \dots$$
 [2]

Question 143

Factorise completely.

$$4 - 8x$$

......[1]

Question 144

Solve the equation.

$$6 - 2x = 3x$$

x = [2]

Question 145

Simplify.

$$\frac{x^2 - 5x}{2x^2 - 50}$$

.....[4]

Question 146

Factorise $6x^2 + 7x - 20$.

.....[2]

Question 147

Make *x* the subject of this formula.

$$2y = 5x - 7$$

$$x =$$
 [2]

Question 148	
Simplify. $3a+7b-4a+b$	
	[2]
Question 149	
Solve the simultaneous equations. You must show all your working.	
x - y = 7	
$x^2 + y = 149$	
	<i>x</i> = <i>y</i> =
	$x = \dots y = \dots [5]$
Question 150	
Expand and simplify.	
6(t-q)-2(t-3q)	
	[2]
Question 151	
Solve.	
$\frac{1}{x+1} + \frac{9}{x+9} = 1$	
	$x = \dots $ or $x = \dots $ [5]
Question 152	[9]
Simplify.	
$\frac{2x^2 - 5x - 12}{3x^2 - 12x}$	
	[4]
Question 153	
Expand and simplify.	
(x-2)(2x+5)(x+3)	

.....[3]

$$a = \frac{b^2}{5c}$$

Find b when a = 5.625 and c = 2.

$$b = \dots$$
 [2]

Question 155

Make h the subject of the formula 2mh = g(1-h).

$$h = \dots$$
 [4]

Question 156

Solve the simultaneous equations. You must show all your working.

$$2x + y = 3$$
$$x - 5y = 40$$

c =

Question 157

Simplify.

$$\frac{3x^2 - 18x}{ax - 6a + 2cx - 12c}$$

Question 158

Solve the simultaneous equations. You must show all your working.

$$y = x^2 - 3x - 13$$
$$y = x - 1$$

$$x = \dots, y = \dots$$

$$x = \dots, y = \dots$$
 [5]

$$P = M(g^2 + h^2)$$

(a) Find the value of P when M = 100, g = 3 and h = 4.5.

$$P = \dots$$
 [2]

(b) Rearrange the formula to write g in terms of P, M and h.

$$g =$$
 [3]

Question 160

Simplify.

$$\frac{3xy + 36y - 5x - 60}{2x^2 - 288}$$

.....[4]

Question 161

Expand and simplify.

$$(x-3)^2(2x+5)$$

.....[3]

Question 162

Solve the simultaneous equations.

You must show all your working.

$$y = x^2 - 9x + 21$$
$$y = 2x - 3$$

$$x = \dots y = \dots$$

$$x = \dots y = \dots [5]$$

Question 163

Solve.

$$(5x-3)(2x+7) = 0$$

$$x = \dots$$
 or $x = \dots$ [1]

Write as a single fraction in its simplest form.

$$\frac{2}{x+3} - \frac{x+2}{7}$$

.....[3]

Question 165

$$y = \frac{3x - 2}{1 - x}$$

Make *x* the subject of the formula.

$$x = \dots$$
 [4]

Question 166

Solve.

$$4 - 3x \geqslant \frac{6 - x}{5}$$

Question 167

Solve the simultaneous equations. You must show all your working.

$$4x - 2y = -13$$
$$-3x + 4y = 11$$

x =

$$y =$$
 [3]

Question 168

Solve the simultaneous equations. You must show all your working.

$$3x + y = 11$$
$$x^2 - 2y = 18$$

$$x = \dots y = \dots$$
 [5]

Question 169	
Factorise completely.	
$12a^3 - 21a$	
	[2]
Question 170	[2]
Simplify.	
$\frac{5x - x^2}{25 - x^2}$	
	[3]
Overtice 171	
Question 171 Solve.	
$12x - 3 \geqslant 4x + 13$	
	[2]
Question 172	
Factorise completely.	
(a) $18px - 27p$	
	[2]
(b) $mt-n-m+nt$	
	 [2]
Question 173	
Work out the value of $\frac{m k^3}{\sqrt{3}}$ when $m = 4$ and $k = 7$.	

.....[2]

Factorise completely.		
(a) $2m + 3p - 8km - 12kp$		
(b) $5x^2 - 20y^2$		[2]
(b) 3x -20y		[3]
Question 175		
The line $y = x + 1$ intersects	s the graph of $y = x^2 - 3x - 11$ at the points A and B.	
Find the coordinates of <i>A</i> and You must show all your worki		
	A()	
	B(,,,	[4]
Question 176 Factorise completely. $1-q$	-a + aq	
Question 177 Factorise completely.		[2]
Question 178	-7y ²	[2]
$s = \frac{1}{2}at^2$ (a) Work out the value of s w	when $a = 0.9$ and $t = 4$.	
	s =	[1]

 $t = \dots$ [2]

(b) Rearrange the formula to find t in terms of s and a.

Question 179 Expand and simplify. $(2x-1)($	(x+4)(x-3)	[3]
Question 180		[2]
Solve the simultaneous equations.		
-	3x - 2y = 21 $5x + 2y = 51$	
		<i>x</i> =
		<i>y</i> =[2]
Question 181		
Expand. $x(3+x^2)$		
		[2]
Question 182		
Simplify. $y \times 27 - y \times 77$		
0 1 102		[1]
Question 183		
Factorise completely.		
(a) $1 + x - y - xy$		
		[2]
(b) $2x^3 - 18xy^2$		

Expand and simplify.

 $(2x+3)(x-2)^2$

.....[3]

.....[3]

Solve the simultaneous equations.

$$\begin{aligned}
x - 3y &= 7 \\
2x - 3y &= 11
\end{aligned}$$

x =

$$y =$$
 [2]

Question 186

Find the values of x when 6x + y = 10 and $y = x^2 - 3x + 10$.

$$x =$$
 or $x =$ [3]

Question 187

Solve the simultaneous equations. You must show all your working.

$$3x - 2y = 19$$
$$x + y = 3$$

 $x = \dots$

$$y =$$
 [3]

Question 188

Solve.

(a)
$$15t + 8 = 4 - t$$

$$t = \dots [2]$$

(b)
$$\frac{25-2u}{3}=2$$

$$u = \dots [2]$$

Question 189

Factorise completely.

$$8g - 2g^2$$

.....[2]

Question 190

Solve the equation $x^2 + 5x - 7 = 0$.

You must show all your working and give your answers correct to 2 decimal places.

$$x = \dots$$
 or $x = \dots$ [4]

Question 191	
Simplify $d^8 \div d^2$.	
	[1]
Question 192 $v = u - 9.8t$	
v = u - 9.8i	
Find the value of v when $u = 4$ and $t = -7$.	
	v = [2]
Question 193	
One solution of the equation $ax^2 + b = 181$ is $x = 8$. a and b are both positive integers greater than 1 .	
(a) Find the value of b.	
	$b = \dots $ [2]
(b) Write down the other solution of the equation $ax^2 + b$	
	<i>x</i> =[1]
Question 194	
Solve.	
(a) $\frac{30}{x} = 6$	
	x = [1]
(b) $11x-3 \ge 2(2x+9)$	
	[3]
Question 195	
Simplify $(81x^{12})^{\frac{3}{4}}$	

.....[2]