1)	Rearrange this equation to make <i>b</i> the subject. $a = \frac{b}{5} - 9$	
	$a-\frac{1}{5}-9$	
		Answer $b = \dots $ [2]
2)	(a) Multiply out the brackets. $5(x+3)$	
	<b>(b)</b> Factorise completely. $12xy - 3x^2$	Answer(a) [1]
	(c) Solve. $5x - 24 = 51$	Answer(b) [2]
3)	Solve the equation. $5(2y - 17) = 60$	nswer(c) x =  [2]

4)	<b>(b)</b> Make $v$ the subject of $E = \frac{1}{2}mv^2$ .	
5)	Solve the equation $3x - 5 = 16$ .	$Answer(b) v = \dots [3]$
6)	Factorise completely. $6xy^2 - 8y$	$Answer x = \dots [2]$
7)	Factorise completely. $12xy - 3x^2$	Answer[2]
		Answer [2]

8)	(a) Factorise $x^2 + x - 30$ .
	Answer(a)[2]
9)	Factorise completely.
	kp + 3k + mp + 3m
	August
10)	<i>Answer</i>
,	3x + 5y = 48 $2x - y = 19$
	2A y 17

11)	(b) Solve the simultaneous equation	Algebra review		
	(a) serve and amunicous equation	3x + 2y = 18 $2x - y = 19$		
12)	(a) Solve the equations. (i) $4x - 7 = 8 - 2x$			
	(ii) $\frac{x-7}{3} = 2$		Answer(a)(i) x =	 [2]
			Answer(a)(ii) x =	 [2]

 $y(3-y^3)$ 

Answer

Expand the brackets.

13)

[3]

[2]

14)	(a)	Simplify the following expressions.
		(i) $3m - 5m + 6m$
		Answer(a)(i)
		Answer(a)(ii)[2]
	(b)	S = u + at
		(i) Calculate the value of s when $u = 27$ , $a = -2$ and $t = 15$ .
		$Answer(b)(i) s = \dots $ [2] (ii) Make t the subject of the formula $s = u + at$ .
		$Answer(b)(ii) t = \dots [2]$
	(c)	Solve the simultaneous equations.
		5x + 2y = 4 $4x - y = 11$

$$y =$$
 [3]

15)	(a) Solve the following equations. (i) $6x - 2 = 2x + 8$				
	(ii) $4(2y-3)=24$	Answer(a)(i) x =		[2]	
	<b>(b)</b> Solve the simultaneous equations.	Answer(a)(ii) y = $5x + 9y = -21$ $12x - 2y = 44$		[3]	

$$Answer(b) x =$$

$$y =$$
[4]