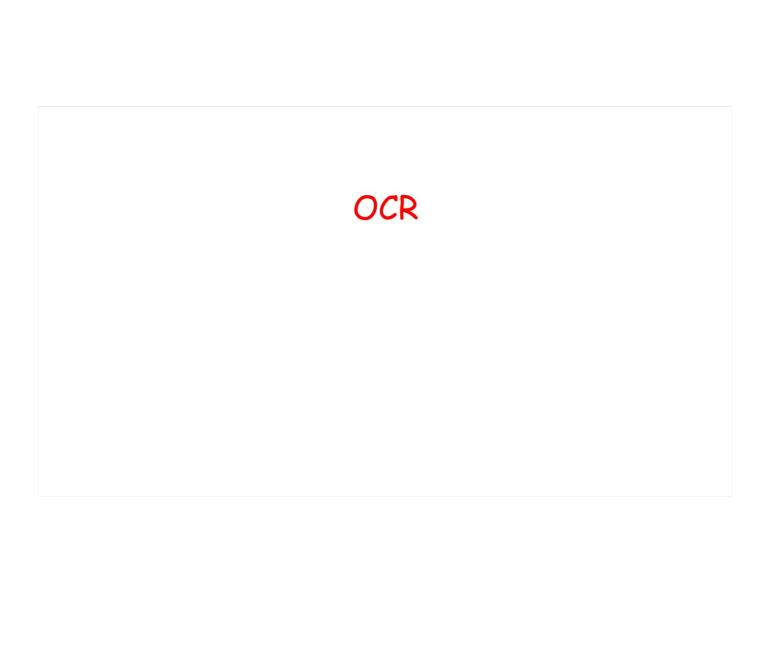
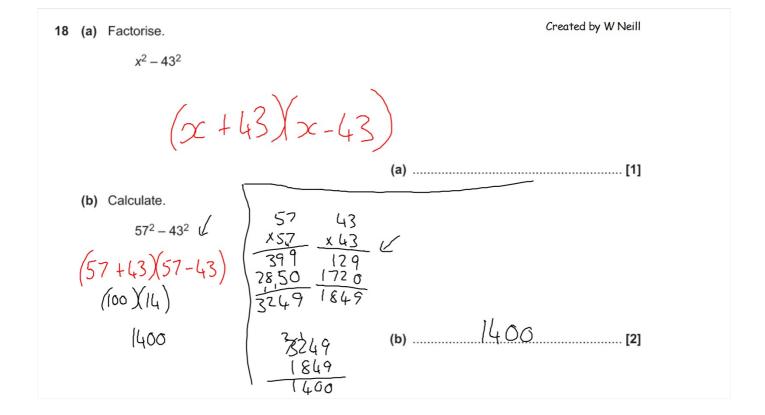
A33...Factorising Quadratics...Diff of two squares



15 (a)	Simplify.	Created by W Neill
10 (u)	$a^3b \times a^2b^3$	
		(a)[1]
		(-)
(b)	Factorise.	
(2)	$x^2 - 36$	
		(b)[1]
		(-) · · · · · · · · · · · · · · · · · · ·

18	(a)	Factorise.	Created by W Neill
		$x^2 - 43^2$	
			(a)[1]
	(b)	Calculate.	
		$57^2 - 43^2$	
			(b)[2]



Created	bv	W	Neil

15 (a) Simplify.

$$a^3b \times a^2b^3$$

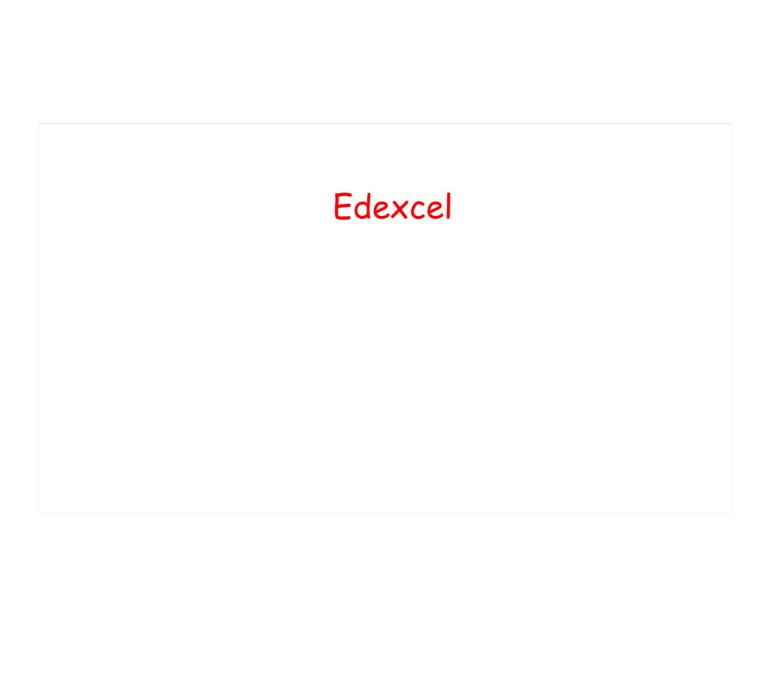
$$a^{3}xa^{2}=a^{5}$$
 $b^{3}xb^{3}=b^{4}$

(b) Factorise.

$$(x^2 - \underline{36})$$

$$(x + 6)(x - 6)$$

(b)[1]



	Video created by W Neill
	video created by W Neiii
27 (a) Factorise $m^2 - 9$	
A33	
	(1)
(b) Expand and simplify $(x + 3)(2x - 5)$	
A30	
	(2)

Video Created by W Neill

(b) Factorise
$$x^2 + 4x + 3$$

A32

$$(x+3)(x+1)$$

(x+3)(x+1) (x+1)(x+3)

Created by W Neill

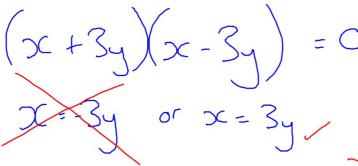
- 17 $x^2 9y^2 = 0$ where x > 0 and y > 0
 - (a) Work out the ratio x : y

.....

(3)

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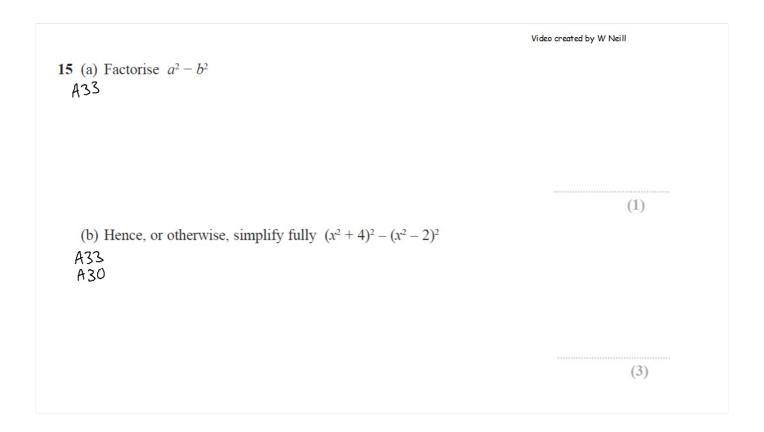
- 17 $x^2 9y^2 = 0$ where x > 0 and y > 0
 - (a) Work out the ratio x : y

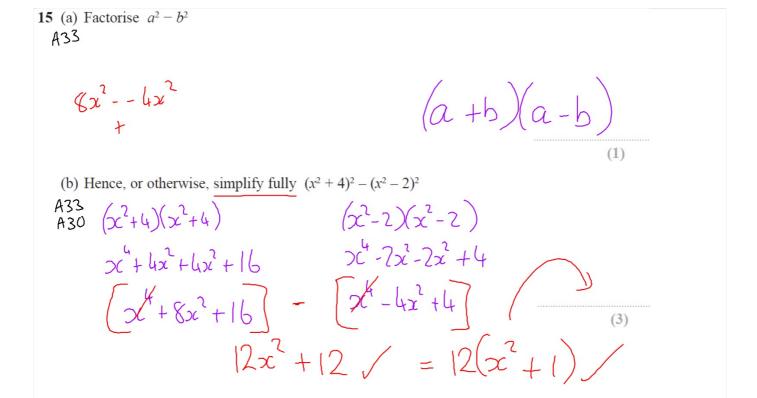


x:y

3:1

(3)





Video Created by W Neill (b) Factorise fully $50-2y^2$ A33 (2) (Total for Question 10 is 3 marks)	
A33 (2)	Video Created by W Neill
A33 (2)	
A33 (2)	
(2)	
(2)	
(2)	
(2)	
(2)	
(2)	
(Total for Question 10 is 3 marks)	
(20112202 Question 20 200 111111115)	(Total for Question 10 is 3 marks)
	(2011) 201 (2010)

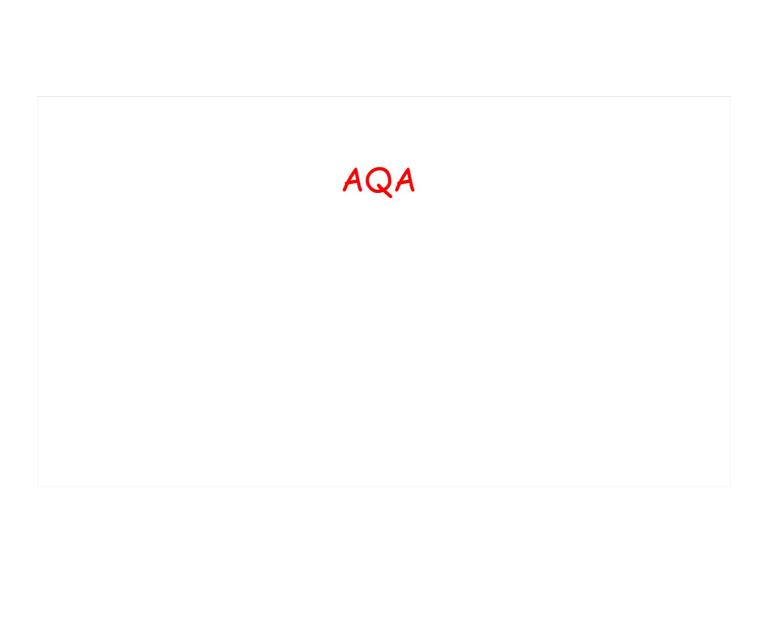
Video Created by W Neill

(b) Factorise fully $50 - 2y^2$

A33

$$2(25-y^2)$$
 $2(5+y)(5-y)$

(Total for Question 10 is 3 marks)



			Video created by W Neill
31 (a) A33	Factorise	$x^2 - 100$	[1 mark]
		Answer	

			Video created by W Neill
31 (a) A33	Factorise	x ² – 100	[1 mark]
		Answer _	(x+10)(x-10)