Factorising quadratics: harder *lesson handout*

Part 1 We do

Use the grid to factorise $3x^2 + 8x + 4$

×		
$3x$	$3x^2$	$6x$
	$2x$	4

Answer

Part 1 You do

Use the grid to factorise $2x^2 + 7x + 5$

×		
	$2x^2$	$2x$
	$5x$	5

Answer

Part 1 You do

Use the grid to factorise $3x^2 + 14x + 8$

×		
	$3x^2$	$2x$
	$12x$	8

Answer

Part 2 We do

Factorise $3x^2 + 10x + 3$

$3 \times 3 = 9$

☐ and ☐

×		

Answer

Part 2 You do

Factorise $2x^2 + 13x + 6$

☐

☐ and ☐

×		

Answer

Part 2 You do

Factorise $3x^2 + 16x + 5$

☐

☐ and ☐

×		

Answer

Part 3 We do

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

$3 \times (-2) = -6$

☐ and ☐

×		

Answer

Part 3 You do

Factorise $2x^2 - 7x + 3$

☐

☐ and ☐

×		

Answer

Part 3 You do

Factorise $3x^2 + x - 4$

☐

☐ and ☐

×		

Answer