

# Brackets and factorisation Int 2/ C PP 2001 -2008

2005 P1

Marks

3. (a) Multiply out the brackets and collect like terms.

$$(4x + 2)(x - 5) + 3x$$

3

- (b) Factorise

$$2p^2 - 5p - 12.$$

2

2006 P1

2. Multiply out the brackets and collect like terms.

$$(2y - 3)(y^2 + 4y - 1)$$

3

2006 P2

6. Factorise

$$4p^2 - 49.$$

2

2007 P1

5. Multiply out the brackets and collect like terms.

$$(x + 3)(x^2 + 4x - 12)$$

3

2007 P2

7. (a) Factorise fully

$$2x^2 - 18.$$

2

2008 P1

2. Multiply out the brackets and collect like terms.

$$(3x + 2)(x - 5) + 8x$$

3

2008 P1

4. (a) Factorise

$$x^2 - y^2.$$

1

- (b) Hence, or otherwise, find the value of

$$9 \cdot 3^2 - 0 \cdot 7^2.$$

2

# Brackets and factorisation Int 2/ C PP 2001 -2008

Marks

1. Factorise

2001 P1

$$x^2 + 2x - 15.$$

2

7. Multiply out the brackets and collect like terms.

2001 P2

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

3

4. Multiply out the brackets and collect like terms.

2002 P1

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

3

5. (a) (i) Factorise completely

2002 P2

$$3y^2 - 6y.$$

1

(ii) Factorise

$$y^2 + y - 6.$$

2

1. Multiply out the brackets and collect like terms.

2003 P1

$$(2a - b)(3a + 2b)$$

2

8. (a) Factorise  $7 + 6x - x^2$ .

2003 P1

2

3. (a) Multiply out the brackets and collect like terms.

2004 P2

$$5x + (x - 4)(3x + 1)$$

3

(b) Factorise

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

2