



Maths
Junior Certificate
Higher Level

Past Exam Questions on
Factorising

Q3 Part (b) 2012 Paper 1

- (b) (i) ✍ Simplify $\frac{6x^2 - 17x + 12}{3x - 4}$.
- (ii) ✍ Factorise $4c^2 - 3d - 2cd + 6c$.
- (iii) ✍ Express in its simplest form:

$$\frac{5}{x-3} - \frac{3}{x-2}$$

Q4 Part (b) 2011 Paper 1

- (b) (i) Factorise $x^2 - 1$.
- (ii) ✍ Factorise fully $ax - 3 - a + 3x$.
- (iii) Factorise $6x^2 + x - 35$.

Q6 Part (b) 2009 Paper 1

- (b) (i) Factorise $25x^2 - 36y^2$.
- (ii) Factorise $11x^2 + 75x - 14$.
- (iii) ✍ Simplify $(3 - 4x)^2 - (3 - 5x)^2$.

Q4 Part (b) 2008 Paper 1

(b) (i) Factorise $28x^2 - 3x - 1$.

(ii) ✍ Solve $\frac{-47x-30}{7} = x^2$.

Q4 Part (b) 2007 Paper 1

(b) (i) ✍ Factorise $6c + 12bd - 8d - 9bc$.

(ii) ✍ Simplify
 $(7x - 2)(7x + 2) - (5y - 2)(5y + 2)$
and fully factorise the simplified expression.

Q4 Part (b) (ii) 2006 Paper 1

(ii) Factorise $9x^2 - 16y^2$.

Q6 Part (b) 2006 Paper 1

(b) (i) ✍ Factorise $2l - kl + km - 2m$.

(ii) Factorise $6x^2 - 19x + 10$.

(iii) Factorise $17x - 5x^2$.

Q3 Part (b) 2005 Paper 1

- (b) (i) Factorise $3x^2 + 8x - 3$.
- (ii) ✍ Factorise $3p - c + 3pc - c^2$.
- (iii) ✍ Simplify $(2x-1)^2 - (x-1)^2$.