

Factorising Linear Expressions

Exam Style Questions

1. Factorise the following

(a) $2x + 6$

$2(x+3)$ (1 mark)

(b) $3x + 12$

$3(x+4)$ (1 mark)

(c) $8x + 20$

$4(2x+5)$ (1 mark)

(d) $2a + 4b + 6c$

$2(a+2b+3c)$ (1 mark)

(e) $12a + 16b$

$4(3a+4b)$ (1 mark)

(f) $5x - 25$

$5(x-5)$ (1 mark)

JP Maths Revision

(g) $12x - 30$

$6(2x-5)$ (1 mark)

(h) $ab + bc$

$b(a+c)$ (1 mark)

(i) $-15a - 25b$

$-5(3a+5b)$ (1 mark)

(i) $-14x - 21y$

$-7(2x+3y)$ (1 mark)

(j) $x^2 + x$

$x(x+1)$ (1 mark)

(k) $6x^2 + 4xy$

$2x(3x+2y)$ (1 mark)

(l) $9a^2 + 3a$

$3a(3a+1)$ (1 mark)

(m) $4p + 12pq$

$4p(1 + 3q)$ (1 mark)

(n) $12x^2 - 16x^3$

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