

Factorising by Taking Out a Common Factor

(a)	(b)	(c)	(d)	(e)
Factorise $2x + 10$ $2(x + 5)$	Factorise $5x - 15$ $5(x - 3)$	Factorise $3x + 18$ $3(x + 6)$	Factorise $21 - 7x$ $7(3 - x)$	Factorise $11x + 44$ $11(x + 4)$
(f)	(g)	(h)	(i)	(j)
Factorise $3x + 3$ $3(x + 1)$	Factorise $6x - 3$ $3(2x - 1)$	Factorise $9x - 12$ $3(3x - 4)$	Factorise $25 + 30x$ $5(5 + 6x)$	Factorise $28 - 21x$ $7(4 - 3x)$
(k)	(l)	(m)	(n)	(o)
Factorise $4x - 12$ $4(x - 3)$	Factorise $30x + 50$ $10(3x + 5)$	Factorise $8 - 12x$ $4(2 - 3x)$	Factorise $6x - 24$ $6(x - 4)$	Factorise $35x + 21$ $7(5x + 3)$
(p)	(q)	(r)	(s)	(t)
Factorise $5x + 15y$ $5(x + 3y)$	Factorise $16y - 12x$ $4(4y - 3x)$	Factorise $12x + 20y$ $4(3x + 5y)$	Factorise $60x^2 - 24$ $12(5x^2 - 2)$	Factorise $36 + 144y$ $36(1 + 4y)$
(u)	(v)	(w)	(x)	(y)
Factorise $-3x - 9$ $-3(x + 3)$	Factorise $-7 - 7x$ $-7(1 + x)$	Factorise $5x + 10y + 25$ $5(x + 2y + 5)$	Factorise $-80x - 40y$ $-40(2x + y)$	Factorise $12x^2 - 18x + 9$ $3(4x^2 - 6x + 3)$