



## FACTORISING LETTER FACTORS

Ref: G226. **4S2**

<b>A1</b> Factorise: $p^2 + 11p$	<b>A2</b> Factorise: $p^2 + pq$	<b>A3</b> Factorise: $pq - q^2$	<b>A4</b> Factorise: $pq - 2qx$
<b>B1</b> Factorise: $p^2x + pq$	<b>B2</b> Factorise: $pqx - q^2$	<b>B3</b> Factorise: $px + qx^2$	<b>B4</b> Factorise: $2p^2 - 3pq$
<b>C1</b> Factorise fully: $pqx + pqy$	<b>C2</b> Factorise fully: $pqx + pq^2$	<b>C3</b> Factorise fully: $pqx + p^2xy$	<b>C4</b> Factorise fully: $pq^2x + qx^2y$
<b>D1</b> Factorise fully: $p^2x - pxy$	<b>D2</b> Factorise fully: $pq^2 + p^2q$	<b>D3</b> Factorise fully: $3py - 2pxy$	<b>D4</b> Factorise fully: $p^3q + pq$
<b>E1</b> Factorise fully: $p^3q + p^2q$	<b>E2</b> Factorise fully: $p^3qx^2 - p^2qx$	<b>E3</b> Factorise fully: $2pq - 3px + 5p^2$	<b>E4</b> Factorise fully: $p^2q + pq^2 - p^2q^2$



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<b>A1</b> Factorise: $p^2 + 11p = p(p + 11)$	<b>A2</b> Factorise: $p^2 + pq = p(p + q)$	<b>A3</b> Factorise: $pq - q^2 = q(p - q)$	<b>A4</b> Factorise: $pq - 2qx = q(p - 2x)$
<b>B1</b> Factorise: $p^2x + pq = p(px + q)$	<b>B2</b> Factorise: $pqx - q^2 = q(px - q)$	<b>B3</b> Factorise: $px + qx^2 = x(p + qx)$	<b>B4</b> Factorise: $2p^2 - 3pq = p(2p - 3q)$
<b>C1</b> Factorise fully: $pqx + pqy = pq(x + y)$	<b>C2</b> Factorise fully: $pqx + pq^2 = pq(x + q)$	<b>C3</b> Factorise fully: $pqx + p^2xy = px(q + py)$	<b>C4</b> Factorise fully: $pq^2x + qx^2y = qx(pq + xy)$
<b>D1</b> Factorise fully: $p^2x - pxy = px(p - y)$	<b>D2</b> Factorise fully: $pq^2 + p^2q = pq(q + p)$	<b>D3</b> Factorise fully: $3py - 2pxy = py(3 - 2x)$	<b>D4</b> Factorise fully: $p^3q + pq = pq(p^2 + 1)$
<b>E1</b> Factorise fully: $p^3q + p^2q = p^2q(p + 1)$	<b>E2</b> Factorise fully: $p^3qx^2 - p^2qx = p^2qx(px - 1)$	<b>E3</b> Factorise fully: $2pq - 3px + 5p^2$ $= p(2q - 3x + 5p)$	<b>E4</b> Factorise fully: $p^2q + pq^2 - p^2q^2$ $= pq(p + q - pq)$