Factorising Quadratics

1) Factorise the following:

(a) $x^2 + 7x + 10$ (b) $x^2 + 11x + 10$ (c) $x^2 + x - 6$ (d) $x^2 - 2x - 8$ (e) $x^2 - 9x + 8$
(f) $x^2 - 6x + 8$ (g) $x^2 - 11x + 18$ (h) $x^2 - 9x + 18$ (i) $x^2 - 2x - 15$ (j) $x^2 - 7x + 12$
(k) $x^2 + x - 12$ (l) $x^2 + 6x - 16$ (m) $x^2 - 6x - 16$ (n) $x^2 + 8x + 12$ (o) $x^2 - 10x + 21$
(p) $x^2 + 9x + 14$ (q) $x^2 - 15x + 14$ (r) $x^2 + 10x + 24$ (s) $x^2 + 10x - 24$ (t) $x^2 - 10x + 24$
(u) $x^2 - 10x - 24$ (v) $x^2 - x - 30$ (w) $x^2 + x - 30$ (x) $x^2 - 13x + 30$ (y) $x^2 - 13x - 30$

2) Factorise the following

(a) $2x^2 + 5x + 3$ (b) $2x^2 + 7x + 3$ (c) $3x^2 + 7x + 2$ (d) $6x^2 - 7x + 2$ (e) $10x^2 - 17x + 3$
(f) $3x^2 - 2x - 8$ (g) $4x^2 + 7x - 2$ (h) $3x^2 + 14x + 15$ (i) $9x^2 + 6x + 1$ (j) $3x^2 - 5x - 2$
(k) $2x^2 - 5x + 2$ (l) $3x^2 + x - 2$ (m) $6x^2 - 5x - 6$ (n) $8x^2 - 14x + 5$ (o) $8x^2 - 41x + 5$

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