Workout

Question 1:   Factorise each of the following

(a) $2x^2 + 7x + 5$

(b) $2x^2 + 11x + 15$

(c) $2x^2 + 9x + 10$

(d) $3x^2 + 13x + 4$

(e) $3x^2 + 4x + 1$

(f) $3x^2 + 8x + 4$

(g) $5x^2 + 13x + 6$

(h) $5x^2 + 26x + 5$

(i) $7x^2 + 10x + 3$

(j) $11x^2 + 47x + 12$

(k) $2x^2 + 17x + 36$

(l) $5x^2 + 62x + 24$

Question 2:   Factorise each of the following

(a) $3x^2 + x - 4$

(b) $7x^2 + 20x - 3$

(c) $2x^2 - 13x + 15$

(d) $3x^2 - 17x + 10$

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

(f) $3x^2 - x - 4$

(g) $5x^2 - 13x - 6$

(h) $3x^2 + 8x - 3$

(i) $2x^2 - x - 10$

(j) $2x^2 - 3x - 44$

(k) $7x^2 - 22x + 16$

(l) $2x^2 + 15x - 38$

Question 3:   Factorise each of the following

(a) $6x^2 + 13x + 6$

(b) $9x^2 + 9x + 2$

(c) $6x^2 + 13x + 2$

(d) $8x^2 + 41x + 5$

(e) $9x^2 + 6x + 1$

(f) $8x^2 + 26x + 15$

(g) $8x^2 + 29x + 15$

(h) $10x^2 + 9x + 2$

(i) $9x^2 + 27x + 20$

(j) $10x^2 + 17x + 7$

(k) $12x^2 + 13x + 3$

(l) $15x^2 + 32x + 16$

Question 4:   Factorise each of the following

(a) $9x^2 - 12x - 5$

(b) $4x^2 - 4x - 3$

(c) $4x^2 - 11x + 6$

(d) $6x^2 - 7x + 2$

(e) $10x^2 - 91x + 9$

(f) $4x^2 + 25x - 56$

(g) $6x^2 - 35x + 49$

(h) $6x^2 - 7x - 10$

(i) $8x^2 + 10x - 3$

(j) $15x^2 + 31x + 10$

(k) $12x^2 + 5x - 3$

(l) $20x^2 - 23x + 6$