

Workout

Question 1

- (a) $x^3 + 6x^2 + 11x + 6$
- (b) $x^3 + 9x^2 + 24x + 20$
- (c) $x^3 + 2x^2 - 5x - 6$
- (d) $x^3 + 4x^2 - 19x + 14$
- (e) $x^3 - 9x^2 + 26x - 24$
- (f) $x^3 - 7x^2 + 4x + 12$
- (g) $2x^3 + 9x^2 + 10x + 3$
- (h) $3x^3 + 10x^2 - 23x + 10$
- (i) $5x^3 + 8x^2 - 7x - 6$
- (j) $2x^3 - x^2 - 15x$
- (k) $9x^3 - 69x^2 - 200x - 100$

Question 2

- (a) $x^3 + 6x^2 + 12x + 8$
- (b) $x^3 + 15x^2 + 75x + 125$
- (c) $x^3 - 9x^2 + 27x - 27$
- (d) $x^3 - 15x^2 + 75x - 125$
- (e) $x^3 + 7x^2 + 15x + 9$
- (f) $x^3 - 13x^2 + 56x - 80$
- (g) $8x^3 + 36x^2 + 54x + 27$
- (h) $64 - 48x + 12x^2 - x^3$
- (i) $125 - 150x + 60x^2 - 8x^3$
- (j) $x^3 - 4x^2 - 3x + 18$
- (k) $x^3 + 12x^2 + 36x$

Question 3

(a) $4x^3 + 29x^2 + 54x + 37$

(b) $7x^3 - 24x^2 + 6x + 37$

Apply

Question 1: a=5

Question 2: a=2 and b=1

Question 3: a=6 and b=10