

tip: $(ax + b)(a^2x^2 - abx + b^2)$
 $= a^3x^3 + b^3$

- (1) $2(5x - 6)(25x^2 + 30x + 36)$
- (2) $-2(3x - 1)(9x^2 + 3x + 1)$
- (3) $-(x + 5)(x^2 - 5x + 25)$
- (4) $(x + 3)(x^2 - 3x + 9)$
- (5) $-3(x - 3)(x^2 + 3x + 9)$
- (6) $-4(x - 6)(x^2 + 6x + 36)$
- (7) $-3(3x - 4)(9x^2 + 12x + 16)$
- (8) $4(x - 9)(x^2 + 9x + 81)$
- (9) $-4(x + 2)(x^2 - 2x + 4)$
- (10) $0(2x + 1)(4x^2 - 2x + 1)$
- (11) $4(2x + 5)(4x^2 - 10x + 25)$
- (12) $0(4x + 5)(16x^2 - 20x + 25)$
- (13) $-4(x - 5)(x^2 + 5x + 25)$
- (14) $-4(x - 3)(x^2 + 3x + 9)$
- (15) $-2(2x + 3)(4x^2 - 6x + 9)$
- (16) $-5(x + 3)(x^2 - 3x + 9)$
- (17) $(3x - 7)(9x^2 + 21x + 49)$
- (18) $4(4x + 7)(16x^2 - 28x + 49)$
- (19) $4(4x - 1)(16x^2 + 4x + 1)$
- (20) $-3(x - 2)(x^2 + 2x + 4)$
- (21) $0(x - 2)(x^2 + 2x + 4)$
- (22) $-5(x - 2)(x^2 + 2x + 4)$
- (23) $-3(x + 6)(x^2 - 6x + 36)$
- (24) $-4(4x + 9)(16x^2 - 36x + 81)$
- (25) $2(x - 2)(x^2 + 2x + 4)$
- (26) $-5(x - 3)(x^2 + 3x + 9)$
- (27) $-4(x + 2)(x^2 - 2x + 4)$
- (28) $4(x + 7)(x^2 - 7x + 49)$
- (29) $-3(4x - 3)(16x^2 + 12x + 9)$
- (30) $-5(5x + 2)(25x^2 - 10x + 4)$
- (31) $-2(x - 2)(x^2 + 2x + 4)$
- (32) $0(3x - 8)(9x^2 + 24x + 64)$
- (33) $-3(2x + 3)(4x^2 - 6x + 9)$
- (34) $4(4x + 9)(16x^2 - 36x + 81)$
- (35) $-4(x - 2)(x^2 + 2x + 4)$
- (36) $-3(2x + 1)(4x^2 - 2x + 1)$
- (37) $-2(4x + 1)(16x^2 - 4x + 1)$
- (38) $-3(x + 4)(x^2 - 4x + 16)$
- (39) $-4(4x + 3)(16x^2 - 12x + 9)$
- (40) $-5(3x + 10)(9x^2 - 30x + 100)$
- (41) $3(x - 3)(x^2 + 3x + 9)$

- (42) $0(2x - 3)(4x^2 + 6x + 9)$
- (43) $-4(3x + 5)(9x^2 - 15x + 25)$
- (44) $0(5x + 1)(25x^2 - 5x + 1)$
- (45) $-3(5x - 4)(25x^2 + 20x + 16)$
- (46) $-5(5x - 6)(25x^2 + 30x + 36)$
- (47) $-4(x - 10)(x^2 + 10x + 100)$
- (48) $(x - 1)(x^2 + x + 1)$
- (49) $0(x - 4)(x^2 + 4x + 16)$
- (50) $-(5x + 4)(25x^2 - 20x + 16)$
- (51) $2(x + 8)(x^2 - 8x + 64)$
- (52) $-5(x + 2)(x^2 - 2x + 4)$
- (53) $0(x - 1)(x^2 + x + 1)$
- (54) $-2(x + 9)(x^2 - 9x + 81)$
- (55) $0(4x + 7)(16x^2 - 28x + 49)$
- (56) $-5(4x + 5)(16x^2 - 20x + 25)$
- (57) $-4(x - 4)(x^2 + 4x + 16)$
- (58) $-(3x + 5)(9x^2 - 15x + 25)$
- (59) $-5(x + 9)(x^2 - 9x + 81)$
- (60) $0(x + 7)(x^2 - 7x + 49)$
- (61) $-3(x + 3)(x^2 - 3x + 9)$
- (62) $(x + 6)(x^2 - 6x + 36)$
- (63) $4(x + 9)(x^2 - 9x + 81)$
- (64) $-3(x - 1)(x^2 + x + 1)$
- (65) $0(x + 8)(x^2 - 8x + 64)$
- (66) $2(x - 4)(x^2 + 4x + 16)$
- (67) $-3(4x + 7)(16x^2 - 28x + 49)$
- (68) $2(4x - 1)(16x^2 + 4x + 1)$
- (69) $-3(4x + 5)(16x^2 - 20x + 25)$
- (70) $2(x + 2)(x^2 - 2x + 4)$
- (71) $-4(2x - 7)(4x^2 + 14x + 49)$
- (72) $3(2x - 1)(4x^2 + 2x + 1)$
- (73) $3(x - 4)(x^2 + 4x + 16)$
- (74) $4(2x - 5)(4x^2 + 10x + 25)$
- (75) $0(x - 9)(x^2 + 9x + 81)$
- (76) $4(x - 6)(x^2 + 6x + 36)$
- (77) $3(x + 4)(x^2 - 4x + 16)$
- (78) $-4(x + 5)(x^2 - 5x + 25)$
- (79) $4(2x + 3)(4x^2 - 6x + 9)$
- (80) $-4(x - 6)(x^2 + 6x + 36)$
- (81) $2(3x + 4)(9x^2 - 12x + 16)$
- (82) $2(x + 2)(x^2 - 2x + 4)$
- (83) $(2x + 9)(4x^2 - 18x + 81)$
- (84) $0(x + 5)(x^2 - 5x + 25)$

- (85) $-(x+2)(x^2-2x+4)$
 (86) $3(4x-9)(16x^2+36x+81)$
 (87) $-3(x+2)(x^2-2x+4)$
 (88) $0(4x-3)(16x^2+12x+9)$
 (89) $-2(x-1)(x^2+x+1)$
 (90) $-(x+3)(x^2-3x+9)$
 (91) $-(x-3)(x^2+3x+9)$
 (92) $2(5x+8)(25x^2-40x+64)$
 (93) $3(x+5)(x^2-5x+25)$
 (94) $-(5x-3)(25x^2+15x+9)$
 (95) $-4(x-2)(x^2+2x+4)$
 (96) $-4(4x+5)(16x^2-20x+25)$
 (97) $2(3x-2)(9x^2+6x+4)$
 (98) $-3(2x+3)(4x^2-6x+9)$
 (99) $-3(x-5)(x^2+5x+25)$
 (100) $-4(x-3)(x^2+3x+9)$
 (101) $-2(5x-3)(25x^2+15x+9)$
 (102) $(2x-5)(4x^2+10x+25)$
 (103) $0(4x-1)(16x^2+4x+1)$
 (104) $-(3x-4)(9x^2+12x+16)$
 (105) $3(x-2)(x^2+2x+4)$
 (106) $-2(x-5)(x^2+5x+25)$
 (107) $-(x+9)(x^2-9x+81)$
 (108) $(4x+7)(16x^2-28x+49)$
 (109) $4(3x+8)(9x^2-24x+64)$
 (110) $(2x-7)(4x^2+14x+49)$
 (111) $(x+7)(x^2-7x+49)$
 (112) $2(4x+5)(16x^2-20x+25)$
 (113) $-3(3x-7)(9x^2+21x+49)$
 (114) $0(5x-7)(25x^2+35x+49)$
 (115) $-4(3x+8)(9x^2-24x+64)$
 (116) $0(5x+1)(25x^2-5x+1)$
 (117) $-2(4x-5)(16x^2+20x+25)$
 (118) $2(x+1)(x^2-x+1)$
 (119) $3(3x-8)(9x^2+24x+64)$
 (120) $-3(5x+9)(25x^2-45x+81)$
 (121) $-3(x-3)(x^2+3x+9)$
 (122) $3(4x+5)(16x^2-20x+25)$
 (123) $2(3x+2)(9x^2-6x+4)$
 (124) $-5(3x+2)(9x^2-6x+4)$
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 (129) $-3(5x-6)(25x^2+30x+36)$
 (130) $4(x+3)(x^2-3x+9)$
 (131) $-2(5x+1)(25x^2-5x+1)$
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 (133) $-5(2x-3)(4x^2+6x+9)$
 (134) $(x+8)(x^2-8x+64)$
 (135) $0(4x-3)(16x^2+12x+9)$
 (136) $-3(x-3)(x^2+3x+9)$
 (137) $-2(4x-3)(16x^2+12x+9)$
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 (140) $-(2x-7)(4x^2+14x+49)$
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 (142) $-(x+3)(x^2-3x+9)$
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 (146) $(5x+4)(25x^2-20x+16)$
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 (148) $3(2x-7)(4x^2+14x+49)$
 (149) $3(x+5)(x^2-5x+25)$
 (150) $(x-7)(x^2+7x+49)$