

34 Factoriser :

$$A = (3 + x)(8x + 6) - 3(7 + x)(12x + 9) \\ + 5(20x + 15)(x + 1);$$

$$B = (1 - 3x)(5 + 2x) - 2(3 + x)(5 - 15x) \\ - 3x + 1;$$

$$C = (5 - 2x)(3x + 4) - (10 - 4x)(4 + x) \\ - 5 + 2x;$$

$$D = (6x - 15)(3 - 2x) - (2x - 5)^2 - 10x + 25.$$

35 Factoriser :

$$A = 8(23 - x)(5 - x) - 2(46 - 2x)(7 + x) \\ + 3(x - 23)^2;$$

$$B = 4(2x - 3)(2x - 5) - 3(6 - 4x)(5 + 3x) \\ - 15 + 10x;$$

$$C = 3(6x - 10)(5 - x) + 2(4 - x)(25 - 15x) \\ - 5(12x - 20)(1 - x);$$

$$D = (2x - 1)(3x + 1) - (1 - x)(2 - 4x) \\ - (2x - 1)^2.$$

36 Factoriser :

$$A = 4(2x - 5)(7 + 2x) - 3(5 - 2x)(x - 3) \\ + 3(2x + 1)(2x - 5);$$

$$B = (4 - 7x)(5 - 3x) - 3(3x - 5)(x - 6) \\ - 5 + 3x;$$

$$C = 2(3x - 6)(5 - 3x) + 5(4 - 2x)(x - 1) \\ + 3(4x - 8)(2 + x);$$

$$D = (5 - 2x)(x + 4) - (2x - 5)^2 - 5 + 2x.$$

37 Factoriser :

$$A = (7 + 2x)(4 - x) - 3(5 + x)(2x - 8) \\ - 6(4 - x)^2;$$

$$B = (7 - 3x)(6 + x) + 4(x + 2)(7 - 3x) \\ - 4(x + 5)(3x - 7);$$

$$C = 3(2 - x)(5 - 6x) - 4(6x - 5)^2 + 5 - 6x;$$

$$D = (4x - 6)(5 + x) - 2(9 - 6x)(x + 1) \\ + 15 - 10x.$$

38 Factoriser :

$$A = 2(x - 1)(7 + 2x) - (2x - 2)^2 + 3(x - 1);$$

$$B = 4(4x + 2)(5 - x) - 2(6x + 3)^2 \\ - 2(1 + 2x)(x + 2);$$

$$C = 3(2x + 3)(5x + 7) + 3(2x + 3) - (4x + 6)^2;$$

$$D = 5(3x - 6)(3 + x) - (4 - 2x)^2 + x - 2.$$