



1. The expanded form of $(x+1)(3x-5)$ is

- (i) $(6x^2-2x-5)$ (ii) (x^2-2x-5) (iii) $(2x^2-2x-5)$ (iv) $(3x^2-2x-5)$ (v) $(4x^2-2x-5)$

2. The expanded form of $(x+7)(x+9)(x+4)$ is

- (i) $(x^3+20x^2+127x+252)$ (ii) $(-2x^3+20x^2+127x+252)$ (iii) $(3x^3+20x^2+127x+252)$
(iv) $(2x^3+20x^2+127x+252)$ (v) $(20x^2+127x+252)$

3. The expanded form of $(x+2)(x+1)(x+1)(x+2)$ is

- (i) $(x^4+6x^3+13x^2+12x+4)$ (ii) $(3x^4+6x^3+13x^2+12x+4)$ (iii) $(6x^3+13x^2+12x+4)$
(iv) $(-x^4+6x^3+13x^2+12x+4)$ (v) $(2x^4+6x^3+13x^2+12x+4)$

4. The expanded form of $(2x+3)(x+5)$ is

- (i) $(5x^2+13x+15)$ (ii) $(3x^2+13x+15)$ (iii) $(x^2+13x+15)$ (iv) $(13x+15)$ (v) $(2x^2+13x+15)$

5. The expanded form of $(2x-6)(3x-7)(3x+7)$ is

- (i) $(19x^3-54x^2-98x+294)$ (ii) $(17x^3-54x^2-98x+294)$ (iii) $(20x^3-54x^2-98x+294)$
(iv) $(15x^3-54x^2-98x+294)$ (v) $(18x^3-54x^2-98x+294)$

6. The expanded form of $(x-5)(x-9)(x-7)(x+2)$ is

- (i) $(x^4-19x^3+101x^2-29x-630)$ (ii) $(-2x^4-19x^3+101x^2-29x-630)$
(iii) $(2x^4-19x^3+101x^2-29x-630)$ (iv) $(4x^4-19x^3+101x^2-29x-630)$ (v) $(-19x^3+101x^2-29x-630)$

7. The expanded form of $(2x-6)(2x+4)$ is

- (i) $(7x^2-4x-24)$ (ii) $(x^2-4x-24)$ (iii) $(3x^2-4x-24)$ (iv) $(5x^2-4x-24)$ (v) $(4x^2-4x-24)$

8. The expanded form of $(x+5)(2x-2)(x-1)$ is

- (i) $(3x^3+6x^2-18x+10)$ (ii) $(2x^3+6x^2-18x+10)$ (iii) $(x^3+6x^2-18x+10)$ (iv) $(6x^2-18x+10)$
(v) $(4x^3+6x^2-18x+10)$

9. The expanded form of $(x-8)(x+5)(x-3)(x+3)$ is

- (i) $(4x^4-3x^3-49x^2+27x+360)$ (ii) $(-2x^4-3x^3-49x^2+27x+360)$ (iii) $(-3x^3-49x^2+27x+360)$
(iv) $(x^4-3x^3-49x^2+27x+360)$ (v) $(2x^4-3x^3-49x^2+27x+360)$

10. The expanded form of $(x+1)(x+4)$ is

- (i) (x^2+5x+4) (ii) $(-x^2+5x+4)$ (iii) $(2x^2+5x+4)$ (iv) $(5x+4)$ (v) $(3x^2+5x+4)$

11. The expanded form of $(2x-4)(3x+2)(2x-7)$ is

- (i) $(14x^3-58x^2+40x+56)$ (ii) $(13x^3-58x^2+40x+56)$ (iii) $(12x^3-58x^2+40x+56)$
(iv) $(10x^3-58x^2+40x+56)$ (v) $(11x^3-58x^2+40x+56)$

12. The expanded form of $(x-5)(x-8)(x+5)(x+9)$ is

- (i) $(4x^4+x^3-97x^2-25x+1800)$ (ii) $(2x^4+x^3-97x^2-25x+1800)$ (iii) $(-2x^4+x^3-97x^2-25x+1800)$
(iv) $(x^4+x^3-97x^2-25x+1800)$ (v) $(x^3-97x^2-25x+1800)$

Assignment Key

1) (iv)

2) (i)

3) (i)

4) (v)

5) (v)

6) (i)

7) (v)

8) (ii)

9) (iv)

10) (i)

11) (iii)

12) (iv)