



1. $(30x^4 - 7x^3 - 35x^2 - 12x) \div (6x^2 - 5x - 4)$

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

2. The value of $(-6/mn) + 8/mn$ is

- (i) $2/mn$ (ii) $4/mn$ (iii) $3/mn$ (iv) 0 (v) $1/mn$

3. The value of $4no - 3no$ is

- (i) $3no$ (ii) $2no$ (iii) $(-2no)$ (iv) no (v) 0

4. Which of the following terms is a like term of $9c^3$?

- (i) $7c$ (ii) $6c^4$ (iii) $(-8c^2)$ (iv) (-3) (v) $7c^3$

5. The coefficient of term u^3v^2 in polynomial $(4t^3uv^3 - 3t^2u + 4t^2v^2 - tu^2v^3 + 8tuv + 6u^3v^2 + 9uv)$ is

- (i) 6 (ii) 3 (iii) 7 (iv) 5 (v) 9

6. Which of the following algebraic expressions is a trinomial?

- (i) $(-4u^3v^2w^3 - 9u^2v^3w^2 + 2uv^2w + v^3w^3)$ (ii) $(-5uv^2w^3)$ (iii) $(-8uvw^3 - 5v^2w^2)$

- (iv) $(-6u^3w^2 - 7u^2v^3w^3 - 4u^2w^2)$ (v) $(7u^3v^3 - u^3v^2w^3 + 6u^3v + 7w^2)$

7. Which of the following algebraic expressions is a zero polynomial?

- (i) $7g^3$ (ii) $(-6g^3 - 5g^2 - 9)$ (iii) $(-g^4 - 4g^3 - 8g^2 - 4g + 3)$ (iv) 0 (v) $(-8g^4 + 4g^3)$

8. The value of $\frac{3}{5}gh \times \frac{1}{2}$ is

- (i) $\frac{1}{4}gh$ (ii) $\frac{3}{10}gh$ (iii) $\frac{1}{10}gh$ (iv) $\frac{1}{2}gh$ (v) $\frac{3}{8}gh$

9. The value of $(-5)(-2i-4)$ is

- (i) $(9i+20)$ (ii) $(10i+23)$ (iii) $(11i+20)$ (iv) $(10i+20)$ (v) $(10i+17)$

10. Which of the following terms can be added to $(-4uv^2w)$?

- (i) $(-7u^2v^2w)$ (ii) $6uvw^2$ (iii) $(-8uv)$ (iv) $(-4uv^2w)$ (v) $(-6uv^2)$

11. $(10x^4 + 16x^3 + 6x^2) \div (5x^2 + 3x)$

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

12. The quotient when $(-7s^4 - s^3 - 9s^2 - 6s + 9)$ is divided by $(s - 5)$ is

- (i) $(-10s^3 - 36s^2 - 189s - 951)$ (ii) $(-6s^3 - 36s^2 - 189s - 951)$ (iii) $(-4s^3 - 36s^2 - 189s - 951)$
(iv) $(-7s^3 - 36s^2 - 189s - 951)$ (v) $(-8s^3 - 36s^2 - 189s - 951)$

13. The coefficient of term u^2 in polynomial $(4u^4 + 9u^3 - 2u^2 - 2u - 2)$ is

- (i) -3 (ii) -5 (iii) -1 (iv) 0 (v) -2

14. The value of $5u - 2u$ is

- (i) $2u$ (ii) $3u$ (iii) u (iv) $5u$ (v) $4u$

15. The value of $(-m)(5kl^2 + 2k - 5l)$ is

- (i) $(-5kl^2m - 2km + 5lm)$ (ii) $(-6kl^2m - 2km + 5lm)$ (iii) $(-5kl^2m + km + 5lm)$
(iv) $(-4kl^2m - 2km + 5lm)$ (v) $(-5kl^2m - 5km + 5lm)$

16. The degree of polynomial $(7w^3x - 3w^3 - 5w^2x^3y^3 - 5w^2xy + 6w^2x - wx^2y^3 - 6xy)$ is

- (i) 5 (ii) 7 (iii) 8 (iv) 10 (v) 9

17. The value of $6de + (-9de)$ is

- (i) $(-3de)$ (ii) $(-4de)$ (iii) $(-2de)$ (iv) $(-6de)$ (v) 0

18. The value of $(-4j^2 - 6j + 6) \times (-7j^2 - 8j - 4)$ is

- (i) $(28j^4 + 74j^3 + 22j^2 - 24j - 24)$ (ii) $(30j^4 + 74j^3 + 22j^2 - 24j - 24)$ (iii) $(25j^4 + 74j^3 + 22j^2 - 24j - 24)$
(iv) $(27j^4 + 74j^3 + 22j^2 - 24j - 24)$ (v) $(29j^4 + 74j^3 + 22j^2 - 24j - 24)$

19. Which of the following algebraic expressions is a cubic polynomial?

- (i) (-5) (ii) $(t^5 - 8t^4 + 2t^3 + 2t^2 + 9)$ (iii) $(-2t^3 - t^2 - 6t + 9)$ (iv) $(-6t - 2)$ (v) $(-2t^2 - 5t + 1)$

20. The value of $\frac{3}{5}wxy \times \frac{1}{2}y \times \frac{2}{5}wy \times \frac{1}{2}w$ is

- (i) $\frac{3}{52}w^3xy^3$ (ii) $\frac{1}{10}w^3xy^3$ (iii) $\frac{1}{50}w^3xy^3$ (iv) $\frac{3}{50}w^3xy^3$ (v) $\frac{1}{16}w^3xy^3$

21. Which of the following are not polynomials?

a) $(2x - 11y)$

b) $16x^2 + \frac{1}{16x^2}$

c) $16x^2$

d) \sqrt{x}

e) $(9x + 6y)$

- (i) {c,d} (ii) {a,b} (iii) {b,d} (iv) {c,d,b} (v) {e,a,b}

22. The expanded form of $(x+7)(x-1)(x-9)(x-5)$ is

(i) $(4x^4 - 8x^3 - 46x^2 + 368x - 315)$ (ii) $(x^4 - 8x^3 - 46x^2 + 368x - 315)$ (iii) $(2x^4 - 8x^3 - 46x^2 + 368x - 315)$

(iv) $(-2x^4 - 8x^3 - 46x^2 + 368x - 315)$ (v) $(-8x^3 - 46x^2 + 368x - 315)$

23. Which of the following is a like term of efd ?

(i) $9d^2e^2f$ (ii) $7d^2ef^2$ (iii) $(-de^2f^2)$ (iv) $(-4def)$ (v) $9de^2f$

24. $(4x^3 - 12x^2 - x + 3) \div (2x^2 - 7x + 3) =$

(i) $(3x+1)$ (ii) $(-2x+1)$ (iii) $(x+1)$ (iv) $(2x+1)$ (v) $(2x-1)$

25. The value of $2g \times (-g^2) \times 2g$ is

(i) $(-g^4)$ (ii) $(-4g^4)$ (iii) $(-3g^4)$ (iv) $(-7g^4)$ (v) $(-5g^4)$

Assignment Key

1) (v)	2) (i)	3) (iv)	4) (v)	5) (i)	6) (iv)
7) (iv)	8) (ii)	9) (iv)	10) (iv)	11) (v)	12) (iv)
13) (v)	14) (ii)	15) (i)	16) (iii)	17) (i)	18) (i)
19) (iii)	20) (iv)	21) (iii)	22) (ii)	23) (iv)	24) (iv)
25) (ii)					