



1. The value of $(-6a) + 9a$ is

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

2. The value of $6m + (-m) + (-6m) + m$ is

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

3. The value of $(-4m^2) + (-8m^2) + (-m^2)$ is

- (i) $(-12m^2)$
- (ii) $(-13m^2)$
- (iii) $(-14m^2)$
- (iv) $(-10m^2)$
- (v) $(-16m^2)$

4. The value of $(-8b^4) + (-4b^4) + 2b^4 + (-4b^4)$ is

- (i) $(-11b^4)$
- (ii) $(-17b^4)$
- (iii) $(-14b^4)$
- (iv) $(-13b^4)$
- (v) $(-15b^4)$

5. The value of $(9t-5) + (-8t+7)$ is

- (i) $(-t+2)$
- (ii) $(2t+2)$
- (iii) $(t+2)$
- (iv) 2
- (v) $(4t+2)$

6. The value of $(5y^2+6y-6) + (-3y^2+4y-1)$ is

- (i) $(4y^2+10y-7)$
- (ii) $(y^2+10y-7)$
- (iii) $(-y^2+10y-7)$
- (iv) $(2y^2+10y-7)$
- (v) $(3y^2+10y-7)$

7. The value of $(3e^3+2e^2+2e) + (-4e^2-9e+9)$ is

- (i) $(2e^3-2e^2-7e+9)$
- (ii) $(3e^3-2e^2-7e+9)$
- (iii) (e^3-2e^2-7e+9)
- (iv) $(4e^3-2e^2-7e+9)$
- (v) $(6e^3-2e^2-7e+9)$

8. The value of $(-9u^4-2u^2+u) + (7u^4-3u+9) + (4u^5+3u^3-u) + (-3u^4-2u^3+5u)$ is

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

9. The value of $\frac{1}{2}i + \frac{1}{2}i$ is

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

10. The value of $\frac{1}{2}x + \frac{1}{2}x + \frac{1}{3}x + \frac{3}{4}x$ is

- (i) $\frac{29}{14}x$
- (ii) $\frac{23}{12}x$
- (iii) $\frac{9}{4}x$
- (iv) $\frac{21}{10}x$
- (v) $\frac{25}{12}x$

11. The value of $\frac{1}{2}c^2 + \frac{3}{5}c^2 + \frac{2}{5}c^2$ is

- (i) $\frac{5}{2}c^2$ (ii) $\frac{1}{2}c^2$ (iii) $\frac{3}{2}c^2$ (iv) $\frac{5}{4}c^2$ (v) $2c^2$

12. The value of $\frac{1}{4}q^4 + \frac{1}{3}q^4 + \frac{1}{2}q^4 + \frac{2}{3}q^4$ is

- (i) $\frac{9}{4}q^4$ (ii) $\frac{7}{4}q^4$ (iii) $\frac{3}{2}q^4$ (iv) $\frac{5}{4}q^4$ (v) $\frac{5}{2}q^4$

13. The value of $9k - (-9k)$ is

- (i) $21k$ (ii) $18k$ (iii) $17k$ (iv) $19k$ (v) $15k$

14. The value of $2y^2 - 2y^2 - 2y^2$ is

- (i) $(-5y^2)$ (ii) $(-3y^2)$ (iii) $(-2y^2)$ (iv) y^2 (v) $(-y^2)$

15. The value of $(-5a^3) - (-4a^3)$ is

- (i) $(-2a^3)$ (ii) $(-4a^3)$ (iii) $(-a^3)$ (iv) 0 (v) $2a^3$

16. The value of $(-w^5) - (-9w^5) - (-6w^5)$ is

- (i) $12w^5$ (ii) $14w^5$ (iii) $16w^5$ (iv) $13w^5$ (v) $15w^5$

17. The value of $(r+4) - (-5r+7)$ is

- (i) $(3r-3)$ (ii) $(7r-3)$ (iii) $(8r-3)$ (iv) $(5r-3)$ (v) $(6r-3)$

18. The value of $(-4g^2 - 7g + 4) - (-8g^2 - 2g - 2)$ is

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

19. The value of $(8y^4 - 4y^2 - 9y) - (3y^4 - 8y - 7)$ is

- (i) $(4y^4 - 4y^2 - y + 7)$ (ii) $(6y^4 - 4y^2 - y + 7)$ (iii) $(5y^4 - 4y^2 - y + 7)$ (iv) $(2y^4 - 4y^2 - y + 7)$
(v) $(8y^4 - 4y^2 - y + 7)$

20. The value of $(6c^2 + 7c + 6) - (-3c^5 - 7c^3 - 2c^2) - (5c^5 + 8c + 6)$ is

- (i) $(-2c^5 + 7c^3 + 8c^2 - c)$ (ii) $(7c^3 + 8c^2 - c)$ (iii) $(-5c^5 + 7c^3 + 8c^2 - c)$ (iv) $(-c^5 + 7c^3 + 8c^2 - c)$
(v) $(-3c^5 + 7c^3 + 8c^2 - c)$

21. The value of $\frac{3}{4}g - \frac{2}{3}g$ is

- (i) $\frac{1}{12}g$ (ii) $\frac{1}{4}g$ (iii) $(-\frac{1}{12}g)$ (iv) $\frac{1}{14}g$ (v) $\frac{1}{10}g$

22. The value of $\frac{1}{5}r^2 - \frac{1}{2}r^2 - \frac{1}{2}r^2$ is

- (i) $(-\frac{4}{5}r^2)$ (ii) $(-\frac{6}{5}r^2)$ (iii) $(-\frac{4}{7}r^2)$ (iv) $(-\frac{4}{3}r^2)$ (v) $(-\frac{2}{5}r^2)$

23. The value of $\frac{1}{2}h^3 - \frac{1}{2}h^3$ is

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

24. The value of $\frac{2}{3}e^5 - \frac{1}{2}e^5 - \frac{3}{5}e^5$ is

- (i) $(-\frac{13}{30}e^5)$ (ii) $(-\frac{11}{30}e^5)$ (iii) $(-\frac{13}{32}e^5)$ (iv) $(-\frac{13}{28}e^5)$ (v) $(-\frac{1}{2}e^5)$

25. The sum of the terms $9a, 6, (-4), (-9a), (-3a)$ is

- (i) $(-3a+4)$ (ii) $(-2a+2)$ (iii) $(-4a+2)$ (iv) $(-3a+2)$ (v) $(-3a-1)$

26. The sum of the terms $(-2), (-cd), (-7c), 3c, 3d$ is

- (i) $(-2cd-4c+3d-2)$ (ii) $(-cd-6c+3d-2)$ (iii) $(-4c+3d-2)$ (iv) $(-cd-4c+3d-2)$
(v) $(-cd-2c+3d-2)$

27. The sum of the terms $(-9ac), 8a, (-2a), (-6a), 6ab$ is

- (i) $(6ab-11ac)$ (ii) $(6ab-9ac)$ (iii) $(7ab-9ac)$ (iv) $(5ab-9ac)$ (v) $(6ab-6ac)$

28. The sum of the expressions $(-9t-1), (6t-18), (-6t+18), (-t+7), (7t+2)$ is

- (i) $(-3t+10)$ (ii) $(-2t+8)$ (iii) $(-3t+5)$ (iv) $(-4t+8)$ (v) $(-3t+8)$

29. The sum of the expressions $(w-9), (3wx+3), (2x-8), (-5wx-6w), (wx+4w)$ is

- (i) $(-wx+2w+2x-14)$ (ii) $(-2wx-w+2x-14)$ (iii) $(-wx-w+2x-14)$ (iv) $(-wx-4w+2x-14)$
(v) $(-w+2x-14)$

30. The sum of the expressions $(-6c-2), (-3c+6), (-c+4), (4c-17), (2c+8)$ is

- (i) $(-4c+2)$ (ii) $(-4c-4)$ (iii) $(-4c-1)$ (iv) $(-5c-1)$ (v) $(-3c-1)$

31. The sum of the expressions $(2i+20j-8), (-4ij-9i+5j), (6ij-5i+8j), (8ij+3j+3), (4ij+i-2)$ is

- (i) $(13ij-11i+36j-7)$ (ii) $(14ij-14i+36j-7)$ (iii) $(14ij-8i+36j-7)$ (iv) $(15ij-11i+36j-7)$
(v) $(14ij-11i+36j-7)$

32. The value of $ef + ef$ is

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

33. The value of $4d^2e^2 + 4d^2e^2 + (-8d^2e^2) + (-3d^2e^2)$ is

- (i) 0 (ii) $(-2d^2e^2)$ (iii) $(-4d^2e^2)$ (iv) $(-6d^2e^2)$ (v) $(-3d^2e^2)$

34. The value of $(-8fgh) + (-3fgh)$ is

- (i) $(-10fgh)$ (ii) $(-9fgh)$ (iii) $(-13fgh)$ (iv) $(-12fgh)$ (v) $(-11fgh)$

35. The value of $(-4i^3j^3k^3) + 5i^3j^3k^3 + (-6i^3j^3k^3) + (-4i^3j^3k^3)$ is

- (i) $(-9i^3j^3k^3)$ (ii) $(-11i^3j^3k^3)$ (iii) $(-6i^3j^3k^3)$ (iv) $(-8i^3j^3k^3)$ (v) $(-10i^3j^3k^3)$

36. The value of $(8xy+5y+5) + (-5xy+7y-12)$ is

- (i) $(4xy+12y-7)$ (ii) $(3xy+12y-7)$ (iii) $(3xy+15y-7)$ (iv) $(3xy+9y-7)$ (v) $(2xy+12y-7)$

37. The value of $(2i^2 - 9i + 7m^2 - 7m) + (-3i^2m - 2i/m + 8m^2 - 3)$ is

- (i) $(-3i^2m - 2i/m - 9i + 15m^2 - 7m - 3)$ (ii) $(-3i^2m + 2i^2 - 2i/m - 9i + 15m^2 - 7m - 3)$
(iii) $(-4i^2m + 2i^2 - 2i/m - 9i + 15m^2 - 7m - 3)$ (iv) $(-3i^2m + 4i^2 - 2i/m - 9i + 15m^2 - 7m - 3)$
(v) $(-2i^2m + 2i^2 - 2i/m - 9i + 15m^2 - 7m - 3)$

38. The value of $(-7pqr + 4pr - 9qr) + (5p + 5r + 6)$ is

- (i) $(-7pqr + 2pr + 5p - 9qr + 5r + 6)$ (ii) $(-7pqr + 7pr + 5p - 9qr + 5r + 6)$
(iii) $(-6pqr + 4pr + 5p - 9qr + 5r + 6)$ (iv) $(-8pqr + 4pr + 5p - 9qr + 5r + 6)$
(v) $(-7pqr + 4pr + 5p - 9qr + 5r + 6)$

39. The value of $\frac{3}{4}st + \frac{3}{5}st$ is

- (i) $\frac{5}{4}st$ (ii) $\frac{3}{2}st$ (iii) $\frac{27}{20}st$ (iv) $\frac{29}{20}st$ (v) $\frac{27}{22}st$

40. The value of $\frac{2}{3}n^2o^2 + \frac{1}{4}n^2o^2 + \frac{1}{2}n^2o^2 + \frac{1}{3}n^2o^2$ is

- (i) $\frac{3}{2}n^2o^2$ (ii) $\frac{7}{4}n^2o^2$ (iii) $\frac{5}{4}n^2o^2$ (iv) $\frac{9}{4}n^2o^2$ (v) $\frac{5}{2}n^2o^2$

41. The value of $\frac{1}{2}stu + \frac{1}{2}stu$ is

- (i) $4stu$ (ii) 0 (iii) $(-2stu)$ (iv) $2stu$ (v) stu

42. The value of $(-8hi) - 3hi$ is

- (i) $(-12hi)$ (ii) $(-10hi)$ (iii) $(-14hi)$ (iv) $(-9hi)$ (v) $(-11hi)$

43. The value of $(-3de) - (-8de) - (-5de) - (-2de)$ is

- (i) $15de$ (ii) $11de$ (iii) $13de$ (iv) $12de$ (v) $10de$

44. The value of $7b^2c^2d^2 - 3b^2c^2d^2$ is

- (i) $3b^2c^2d^2$ (ii) $5b^2c^2d^2$ (iii) $6b^2c^2d^2$ (iv) $2b^2c^2d^2$ (v) $4b^2c^2d^2$

45. The value of $(-6o^2p^2q^2) - (-8o^2p^2q^2) - 9o^2p^2q^2 - 5o^2p^2q^2$ is

- (i) $(-12o^2p^2q^2)$ (ii) $(-10o^2p^2q^2)$ (iii) $(-15o^2p^2q^2)$ (iv) $(-13o^2p^2q^2)$ (v) $(-11o^2p^2q^2)$

46. The value of $(-w+4x+2) - (-3wx+7w+x)$ is

- (i) $(2wx-8w+3x+2)$
- (ii) $(3wx-6w+3x+2)$
- (iii) $(3wx-8w+3x+2)$
- (iv) $(4wx-8w+3x+2)$
- (v) $(3wx-10w+3x+2)$

47. The value of $(-2klm+3kl-6km) - (-7klm-8lm+2)$ is

- (i) $(5klm-6km+8lm-2)$
- (ii) $(5klm+5kl-6km+8lm-2)$
- (iii) $(6klm+3kl-6km+8lm-2)$
- (iv) $(5klm+3kl-6km+8lm-2)$
- (v) $(4klm+3kl-6km+8lm-2)$

48. The value of $\frac{1}{4}fg - \frac{3}{4}fg$ is

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

49. The value of $\frac{1}{2}hi - \frac{1}{2}hi - \frac{1}{3}hi - \frac{1}{2}hi$ is

- (i) $(-\frac{7}{6}hi)$
- (ii) $(-\frac{5}{8}hi)$
- (iii) $(-\frac{1}{2}hi)$
- (iv) $(-\frac{5}{4}hi)$
- (v) $(-\frac{5}{6}hi)$

50. The value of $\frac{1}{4}u^2v^2w^2 - \frac{3}{5}u^2v^2w^2$ is

- (i) $(-\frac{9}{20}u^2v^2w^2)$
- (ii) $(-\frac{7}{18}u^2v^2w^2)$
- (iii) $(-\frac{1}{4}u^2v^2w^2)$
- (iv) $(-\frac{7}{20}u^2v^2w^2)$
- (v) $(-\frac{7}{22}u^2v^2w^2)$

Assignment Key

1) (ii)	2) (i)	3) (ii)	4) (iii)	5) (iii)	6) (iv)
7) (ii)	8) (i)	9) (i)	10) (v)	11) (iii)	12) (ii)
13) (ii)	14) (iii)	15) (iii)	16) (ii)	17) (v)	18) (iii)
19) (iii)	20) (i)	21) (i)	22) (i)	23) (ii)	24) (i)
25) (iv)	26) (iv)	27) (ii)	28) (v)	29) (iii)	30) (iii)
31) (v)	32) (ii)	33) (v)	34) (v)	35) (i)	36) (ii)
37) (ii)	38) (v)	39) (iii)	40) (ii)	41) (v)	42) (v)
43) (iv)	44) (v)	45) (i)	46) (iii)	47) (iv)	48) (v)
49) (v)	50) (iv)				