



1. The value of $(-y) + 2y$ is

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

2. The value of $6e + (-9e) + e + 2e$ is

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

3. The value of $(-3f^2) + (-2f^2) + 2f^2$ is

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

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

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

5. The value of $(-8b+1) + (-2b+1)$ is

- (i) $(-12b+2)$ (ii) $(-9b+2)$ (iii) $(-8b+2)$ (iv) $(-11b+2)$ (v) $(-10b+2)$

6. The value of $(2n^2+9n-4) + (9n^2+7n-9)$ is

- (i) $(12n^2+16n-13)$ (ii) $(10n^2+16n-13)$ (iii) $(8n^2+16n-13)$ (iv) $(11n^2+16n-13)$
(v) $(14n^2+16n-13)$

7. The value of $(-f^5+7f^4-1) + (-6f^4+6f^3-7)$ is

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

8. The value of $(-7y^5+8y^2-2) + (-9y^4+8y^2+4) + (6y^5+2y^2+1) + (-4y^4+6y^3-3)$ is

- (i) $(-y^5-13y^4+6y^3+18y^2)$ (ii) $(2y^5-13y^4+6y^3+18y^2)$ (iii) $(-2y^5-13y^4+6y^3+18y^2)$
(iv) $(-3y^5-13y^4+6y^3+18y^2)$ (v) $(-13y^4+6y^3+18y^2)$

9. The value of $\frac{1}{4}f + \frac{1}{2}f$ is

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

10. The value of $\frac{2}{3}b + \frac{1}{3}b + \frac{2}{5}b + \frac{1}{3}b$ is

- (i) $\frac{28}{17}b$ (ii) $\frac{8}{5}b$ (iii) $\frac{24}{13}b$ (iv) $\frac{28}{15}b$ (v) $\frac{26}{15}b$

11. The value of $\frac{1}{4}k^2 + \frac{1}{2}k^2 + \frac{3}{5}k^2$ is

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

12. The value of $\frac{3}{4}p^4 + \frac{3}{5}p^4 + \frac{1}{4}p^4 + \frac{1}{3}p^4$ is

- (i) $\frac{31}{15}p^4$ (ii) $\frac{27}{13}p^4$ (iii) $\frac{29}{15}p^4$ (iv) $\frac{9}{5}p^4$ (v) $\frac{31}{17}p^4$

13. The value of $(-8a) - (-a)$ is

- (i) $(-6a)$ (ii) $(-7a)$ (iii) $(-5a)$ (iv) $(-9a)$ (v) $(-8a)$

14. The value of $(-2d^2) - 8d^2 - 3d^2$ is

- (i) $(-13d^2)$ (ii) $(-16d^2)$ (iii) $(-11d^2)$ (iv) $(-14d^2)$ (v) $(-12d^2)$

15. The value of $8s^3 - (-3s^3)$ is

- (i) $12s^3$ (ii) $13s^3$ (iii) $9s^3$ (iv) $11s^3$ (v) $10s^3$

16. The value of $2d^5 - 6d^5 - d^5$ is

- (i) $(-5d^5)$ (ii) $(-4d^5)$ (iii) $(-3d^5)$ (iv) $(-8d^5)$ (v) $(-6d^5)$

17. The value of $(-7u-8) - (3u+1)$ is

- (i) $(-12u-9)$ (ii) $(-10u-9)$ (iii) $(-11u-9)$ (iv) $(-7u-9)$ (v) $(-9u-9)$

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

- (i) $(7m^2-8m-3)$ (ii) $(9m^2-8m-3)$ (iii) $(4m^2-8m-3)$ (iv) $(6m^2-8m-3)$ (v) $(8m^2-8m-3)$

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

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

20. The value of $(6d^3 - 8d^2 + 2) - (6d^4 - 2d^2 + 9) - (-6d^5 + 5d^4 - 9d)$ is

- (i) $(6d^5 - 11d^4 + 6d^3 - 6d^2 + 9d - 7)$ (ii) $(4d^5 - 11d^4 + 6d^3 - 6d^2 + 9d - 7)$
(iii) $(9d^5 - 11d^4 + 6d^3 - 6d^2 + 9d - 7)$ (iv) $(7d^5 - 11d^4 + 6d^3 - 6d^2 + 9d - 7)$
(v) $(5d^5 - 11d^4 + 6d^3 - 6d^2 + 9d - 7)$

21. The value of $\frac{1}{2}p - \frac{1}{2}p$ is

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

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

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

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

- (i) q^3 (ii) $\frac{1}{5}q^3$ (iii) $\frac{1}{3}q^3$ (iv) $(-\frac{1}{3}q^3)$

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

- (i) $(-\frac{13}{17}h^5)$ (ii) $(-\frac{11}{15}h^5)$ (iii) $(-\frac{13}{15}h^5)$ (iv) $(-h^5)$

25. The sum of the terms $(-9), 9m, 9, 2m, 2m$ is

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

26. The sum of the terms $9n, (-5mn), 9m, mn, 9$ is

- (i) $(-3mn + 9m + 9n + 9)$ (ii) $(-4mn + 7m + 9n + 9)$ (iii) $(-4mn + 9m + 9n + 9)$ (iv) $(-5mn + 9m + 9n + 9)$
(v) $(-4mn + 12m + 9n + 9)$

27. The sum of the terms $9de, (-5), (-7d), (-6def), 8f$ is

- (i) $(-6def + 11de - 7d + 8f - 5)$ (ii) $(-6def + 7de - 7d + 8f - 5)$ (iii) $(-5def + 9de - 7d + 8f - 5)$
(iv) $(-6def + 9de - 7d + 8f - 5)$ (v) $(-7def + 9de - 7d + 8f - 5)$

28. The sum of the expressions $(-5o - 4), (5o - 4), (4o - 9), (-4o + 11), (-4o + 3)$ is

- (i) $(-5o - 3)$ (ii) $(-3o - 3)$ (iii) $(-4o - 3)$ (iv) $(-4o)$ (v) $(-4o - 6)$

29. The sum of the expressions $(9op + 6o), (5o + 5p), (-8op - 5p), (6o - 6p), (-6op - 5p)$ is

- (i) $(-6op + 17o - 11p)$ (ii) $(-5op + 20o - 11p)$ (iii) $(-5op + 17o - 11p)$ (iv) $(-4op + 17o - 11p)$
(v) $(-5op + 15o - 11p)$

30. The sum of the expressions $(-t + 6), (7t + 7), (t - 6), (-9t - 1), (-7t - 4)$ is

- (i) $(-10t + 2)$ (ii) $(-8t + 2)$ (iii) $(-9t - 1)$ (iv) $(-9t + 2)$ (v) $(-9t + 4)$

31. The sum of the expressions $(-8ef-17f-12)$, $(7ef-5e-9)$, $(7ef-4f-12)$, $(8ef+4f+2)$, $(-5ef-2e-6)$ is
 (i) $(9ef-5e-17f-37)$ (ii) $(8ef-7e-17f-37)$ (iii) $(10ef-7e-17f-37)$ (iv) $(9ef-7e-17f-37)$
 (v) $(9ef-10e-17f-37)$

32. The value of $(-9kl) + 6kl$ is
 (i) $(-5kl)$ (ii) $(-2kl)$ (iii) $(-3kl)$ (iv) $(-4kl)$ (v) $(-kl)$

33. The value of $(-6l^2m^2) + (-2l^2m^2) + 2l^2m^2 + 2l^2m^2$ is
 (i) $(-l^2m^2)$ (ii) $(-4l^2m^2)$ (iii) $(-5l^2m^2)$ (iv) $(-3l^2m^2)$ (v) $(-7l^2m^2)$

34. The value of $7def + 2def$ is
 (i) $12def$ (ii) $8def$ (iii) $9def$ (iv) $10def$ (v) $7def$

35. The value of $(-4h^3i^3j^3) + (-9h^3i^3j^3) + 5h^3i^3j^3 + (-4h^3i^3j^3)$ is
 (i) $(-12h^3i^3j^3)$ (ii) $(-13h^3i^3j^3)$ (iii) $(-15h^3i^3j^3)$ (iv) $(-9h^3i^3j^3)$ (v) $(-11h^3i^3j^3)$

36. The value of $(l+6m-9) + (-2l-m-6l+4)$ is
 (i) $(-2l-m-5l+6m-5)$ (ii) $(-2l-m-8l+6m-5)$ (iii) $(-2l-m-3l+6m-5)$ (iv) $(-3l-m-5l+6m-5)$
 (v) $(-l-m-5l+6m-5)$

37. The value of $(-7t^2+2tu+8u^2+6u) + (4t^2u^2+5t^2-2t+9u)$ is
 (i) $(4t^2u^2+t^2+2tu-2t+8u^2+15u)$ (ii) $(3t^2u^2-2t^2+2tu-2t+8u^2+15u)$
 (iii) $(5t^2u^2-2t^2+2tu-2t+8u^2+15u)$ (iv) $(4t^2u^2-2t^2+2tu-2t+8u^2+15u)$
 (v) $(4t^2u^2-4t^2+2tu-2t+8u^2+15u)$

38. The value of $(3f+8gh+g) + (-3fh+8f-9h)$ is
 (i) $(-4fh+11f+8gh+g-9h)$ (ii) $(-3fh+11f+8gh+g-9h)$ (iii) $(-2fh+11f+8gh+g-9h)$
 (iv) $(-3fh+13f+8gh+g-9h)$ (v) $(-3fh+8f+8gh+g-9h)$

39. The value of $\frac{2}{3}tu + \frac{2}{5}tu$ is
 (i) $\frac{6}{5}tu$ (ii) $\frac{14}{15}tu$ (iii) $\frac{16}{15}tu$ (iv) $\frac{16}{17}tu$ (v) $\frac{16}{13}tu$

40. The value of $\frac{3}{4}n^2o^2 + \frac{1}{4}n^2o^2 + \frac{1}{4}n^2o^2 + \frac{1}{2}n^2o^2$ is
 (i) $\frac{9}{4}n^2o^2$ (ii) $\frac{3}{2}n^2o^2$ (iii) $\frac{5}{2}n^2o^2$ (iv) $\frac{5}{4}n^2o^2$ (v) $\frac{7}{4}n^2o^2$

41. The value of $\frac{1}{2}bcd + \frac{4}{5}bcd$ is
 (i) $\frac{13}{8}bcd$ (ii) $\frac{3}{2}bcd$ (iii) $\frac{13}{10}bcd$ (iv) $\frac{13}{12}bcd$ (v) $\frac{11}{10}bcd$

42. The value of $(-8wx) - 2wx$ is

- (i) $(-10wx)$ (ii) $(-12wx)$ (iii) $(-9wx)$ (iv) $(-11wx)$ (v) $(-7wx)$

43. The value of $(-fg) - 5fg - 5fg - 3fg$ is

- (i) $(-15fg)$ (ii) $(-13fg)$ (iii) $(-11fg)$ (iv) $(-14fg)$ (v) $(-16fg)$

44. The value of $(-2a^2b^2c^2) - 5a^2b^2c^2$ is

- (i) $(-10a^2b^2c^2)$ (ii) $(-4a^2b^2c^2)$ (iii) $(-8a^2b^2c^2)$ (iv) $(-6a^2b^2c^2)$ (v) $(-7a^2b^2c^2)$

45. The value of $(4j+9k+3) - (5jk+7k-6)$ is

- (i) $(-4jk+4j+2k+9)$ (ii) $(-5jk+4j+2k+9)$ (iii) $(-5jk+7j+2k+9)$ (iv) $(-6jk+4j+2k+9)$
(v) $(-5jk+j+2k+9)$

46. The value of $(4t^2u - tu^2 - 2t - 3u^2) - (-6t^2u^2 - t^2u + 5u - 6)$ is

- (i) $(6t^2u^2 + 3t^2u - tu^2 - 2t - 3u^2 - 5u + 6)$ (ii) $(6t^2u^2 + 5t^2u - tu^2 - 2t - 3u^2 - 5u + 6)$
(iii) $(7t^2u^2 + 5t^2u - tu^2 - 2t - 3u^2 - 5u + 6)$ (iv) $(6t^2u^2 + 7t^2u - tu^2 - 2t - 3u^2 - 5u + 6)$
(v) $(5t^2u^2 + 5t^2u - tu^2 - 2t - 3u^2 - 5u + 6)$

47. The value of $(8s+3t-2) - (4stu-8s-7t)$ is

- (i) $(-4stu+19s+10t-2)$ (ii) $(-3stu+16s+10t-2)$ (iii) $(-4stu+16s+10t-2)$
(iv) $(-5stu+16s+10t-2)$ (v) $(-4stu+14s+10t-2)$

48. The value of $\frac{1}{4}gh - \frac{4}{5}gh$ is

- (i) $(-\frac{1}{2}gh)$ (ii) $(-\frac{11}{18}gh)$ (iii) $(-\frac{13}{20}gh)$ (iv) $(-\frac{11}{20}gh)$ (v) $(-\frac{9}{20}gh)$

49. The value of $\frac{1}{3}ef - \frac{1}{5}ef - \frac{1}{3}ef - \frac{2}{3}ef$ is

- (i) $(-ef)$ (ii) $(-\frac{13}{17}ef)$ (iii) $(-\frac{13}{15}ef)$ (iv) $(-\frac{11}{15}ef)$

50. The value of $\frac{1}{3}b^2c^2d^2 - \frac{1}{2}b^2c^2d^2$ is

- (i) $(-\frac{1}{2}b^2c^2d^2)$ (ii) $(-\frac{1}{6}b^2c^2d^2)$ (iii) $(-\frac{1}{4}b^2c^2d^2)$ (iv) $\frac{1}{6}b^2c^2d^2$ (v) $(-\frac{1}{8}b^2c^2d^2)$

Assignment Key

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