

- 1)  $= -1 \frac{15}{30} a + 2 \frac{10}{15} b - 2 + 1 \frac{9}{30} a - 2 \frac{12}{15} b + 2 \frac{1}{2} - 3 \frac{25}{30} a = -4 \frac{1}{30} a - \frac{2}{15} b + \frac{1}{2}$
  - 2)  $= \frac{2}{3} x - 7 + \frac{8}{11} y$
  - 3)  $\dots = \frac{4}{5} v - 2 \frac{1}{2} u - 3 + \frac{7}{10} v - \frac{4}{5} u + 5 \frac{1}{2} = 1 \frac{1}{2} v - 3 \frac{3}{10} u + 2 \frac{1}{2}$
  - 4)  $\dots = -4,6u + 8,5v - 9,2w - 4,6u + 8,5v + 6,2w = -9,2u + 17v - 3w$
  - 5)  $\dots = 5x - 2 \frac{1}{3} y + 35z - 9,55 + 2 \frac{1}{3} y - 9,05 = 5x + 35z - 18,6$
  - 6)  $\dots = -4,8a - [-6,5y - 8,2z + 3,5a + 6,3z - 7,6a - 8,1y] = \dots = -0,7a + 14,6y + 1,9z$
  - 7)  $\dots = \frac{3}{4} xy - \frac{5}{3} x^2 y + z + \frac{1}{4} xy - \frac{2}{3} x^2 y - z + \frac{7}{3} x^2 y = xy$
  - 8)  $\dots = 2 \frac{1}{2} u^2 + 1 \frac{3}{4} u - 8 - u^2 - \frac{1}{4} u + 9 - 1 \frac{1}{2} u^2 - 2u + 6 = -\frac{1}{2} u + 7$
  - 9)  $\dots = -20a - \{25b - 26c + 35a + 57c + 24b - 74a + 42b\} + 17a = \dots = 36a - 91b - 31c$
  - 10)  $\dots = [5a^2 - 3a + 5a] - \{-7 - 3a^2 + [8 - a^2 - 8a^2 + 6 - a^3]\} = \dots = 17a^2 + 2a - 7 + a^3$
  - 11)  $\dots = 8,5x + 3 \frac{2}{3} y - \left\{1 \frac{11}{36} z - 1 \frac{11}{36} y - 1 \frac{5}{6} x\right\} = \dots = 10 \frac{1}{3} x + 4 \frac{35}{36} y - 1 \frac{11}{36} z$
  - 12)  $\dots = 10,5 + 6 \frac{1}{2} u - 5u^2 - 4,5u - 7 \frac{1}{2} u + 0,8u^2 + 7v + 4 \frac{1}{5} u^2 + 4 - 6v = 7 + u + v$
  - 13)  $= 5x^2 - [2x - (-9x^2y + 36x^2)] + 12x^2y - [x + 3x^2 - 3x^2y] = \dots = 5x^2 - 2x - 9x^2y + 36x^2 + 12x^2y - x - 3x^2 + 3x^2y = 38x^2 - 3x + 6x^2y$
  - 14)  $= (2a - b) - \{2b + 3a - [4c - 6b - 6b - 2c]\} = (2a - b) - \{2b + 3a - [2c - 12b]\} = 2a - b - \{2b + 3a - 2c + 12b\} = 2a - b - 14b - 3a + 2c = -a - 15b + 2c$
- 1)  $(23x - 14y) - [(16x - 15y) + (11y - 54x)] = 23x - 14y - [16x - 15y + 11y - 54x] = 23x - 14y + 38x + 4y = 61x - 10y$
  - 2)  $[(71c - 35d) - (18d - 14c)] - (89d - 31c) = [71c - 35d - 18d + 14c] - 89d + 31c = 85c - 53d - 89d + 31c = 116c - 142d$
  - 3)  $\{135x - [(56y + 81z) + (45x - 69y)]\} - [(63z + 47y) - (58z - 95x)] = \{135x - [-13y + 81z + 45x]\} - [63z + 47y - 58z + 95x] = 135x + 13y - 81z - 45x - 5z - 47y - 95x = -5x - 34y - 86z$
  - 4)  $(19,6x - 47,6y) - \{(69,8y - 46,7x) - (14x + 89y)\} + 41,6x = 19,6x - 47,6y - \{69,8y - 46,7x - 14x - 89y + 41,6x\} = 19,6x - 47,6y - 69,8y + 46,7x + 14x + 89y - 41,6x = 38,7x - 28,4y$
  - 5)  $[(658b - 846a) - (759a + 904b)] - (385a - 254b) = 658b - 846a - 759a - 904b - 385a + 254b = 8b - 1990a$