① $x + 2x = 3x$

② $8a + 9a = 17x$

③ $11b + 9b = 20x$

④ $-b - 5b$
$-1b - 5b$
$(-1 - 5)b$
$-6b$

⑤ $-8m - m$
$-8m - 1m$
$(-8 - 1)m$
$-9m$

⑥ $-9m - 7m$
$(-9 - 7)m$
$-16m$

⑦ $5a - 8a + a - 6a + 21a$
$5a - 8a + 1a - 6a + 21a$
$(5 - 8 + 1 - 6 + 21)a$
$13a$

⑧ $5a - 6b + 8c + 9a - 20c - b + 6b - c$
$5a + 8c + 9a - 20c - b - c$
$14a + 8c - 20c - b - c$
$14a - 13c - b$

① $8a - 6a = 2x$

② $6a - 8a = -2x$

③ $9ab - 15ab = -6ab$

④ $15ab - 9ab = 6ab$

⑤ $2a - 2a = 0$

⑥ $-7b + 7b = 0$

⑦ $-14xy + 32xy = 18xy$

⑧ $-25x^2y + 32x^2y = 7x^2y$

⑨ $40x^3y + 32x^2y = 8x^2y \times (5x + 4)$

⑩ $-m^2n + 6m^2n = -5m^2n$

(11) $a^{x+2}b^{x+3} - 25^{9x+2}b^{x+1}$

$b^{x+3} \times (8^{x+2} - 25^{9x+2})$

$b^{x+3} \times (8a^{x+2} - 25^{9x+2})$

(12) $-24^{9x+2} - 15a^{x+1} + 39^{9x+2}$

$-24^{9x+2} + 24a^{x+2}$

(13) $7a - 9b + 6a - 4b$

$13a - 9b - 4b$

$13a - 13b$

$13(a-b)$

(14) $-6m + 8n + 5 - m - n - 6m - 11$

$-13m + 8n + 5 - n - 11$

$-13m + 7n + 5 - 11$

$-13m + 7n - 6$

(16) $-81x + 19y - 30z + 6y + 30x + x - 25y$

$0 + 19y - 30z + 6y - 25y$

$0 + 0 - 30z$

$-30z$

(17) $m^2 + 71mn - 14m^2 - 65mn + 3m - m^2 - 115m^2 + 6m^3$

$-129m^2 + 71mn - 65mn + 3m + 6m^3$

$-129m^2 + 6mn + 3m + 6m^3$

$-3m \times (43m - 2n - 1 - 2m^2$

(18) $a^{m+2} - x^{m+3} - 5 + 8 - 3^{am+2} + 5^{xm+3} - 6 + 1^{am+2} - 5x^{m+3}$

$a^{m+2} - x^{m+3} - 5 + 8 - 3^{am+2} + 5^{mx+3} - 6 + 1^{am+2} - 5x^{m+3}$

$a^{m+2} - x^{m+3} - 5 + 8 - 3^{am+2} + 5^{mx+3} - 6 + 1$

$a^{m+2} - 6x^{m-3} - 2 - 3^{am+2} + 5^{mx+3}$