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11. a. $6x; 5a; 0; -11u$

b. $8a; 12x^2; -5r^2; 0$

c. $6b; -0,3xy; 2,5t; -x^2$

d. $r; -\frac{4}{5}m; -4uv$

e. $7a; -6x; -a; -7r^2$

f. $-0,7abc; -2,47x^2; -0,3u^2v; 0$

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12. a. $12a + 11b; 4x + 13y - 2z; -8r + 5s; -4q$

b. $17x + 3y; 17a + 4b; 9a + b + 3; 12x - 1$

c. $17a + 3b - c; 15u + 2v - 6r + 4t; 12x - 1; 5p$

d. $61x + 33y; 23a + 26b; 100t - 97; 120x + 116y + 203z$

e. $42u + 9v; 22w - 83z; 80g - 100; 46h$

f. $108x - 14y; 2a - 3b; 10t - 25; 0$

13. a. $16x = 8x + 8x$

$16x = 10x + 6x$

$16x = 15x + x$

d. $6as = \frac{1}{2}as + 5\frac{1}{2}as$

$6as = as + 5as$

$6as = 3as + 3as$

b. $9h = 8h + 1h$

$9h = 7h + 2h$

$9h = 4h + 5h$

e. $20y^2 = 10y^2 + 10y^2$

$20y^2 = 18y^2 + 2y^2$

$20y^2 = 3y^2 + 17y^2$

c. $24a = 20a + 4a$

$24a = 19a + 5a$

$24a = a + 23a$

f. $12bgh = bgh + 11bgh$

$12bgh = 6bgh + 6bgh$

$12bgh = 2bgh + 10bgh$

14. Er hat verschiedene Glieder zusammengefasst. Alle vier Terme lassen sich nicht vereinfachen.

15. $-3\frac{1}{4}$

16. a. $x^3 + 5x^2 - 5x$

b. $-8u^4 + 6u + 12$

c. $c^5 - c^4 + 5c^3 - 3c^2 + 4c + 9$

d. $3y^3 + 11y^2 - 6y + 7$

e. $z^3 - 24z^2 + 11z + 4$

f. $34w^3 - 84w^2 + 29w$

g. $7,9p^2 + 2,3p - 8,5$

h. $2,3a^3 + 2,3a^2 - 1,4a$

17. a. 0

b. $5a$

c. $a - 1$

d. $0,5a$

e. $\frac{1}{4}a^3$

f. $\frac{1}{9}a^2 - \frac{1}{9}a$