

Workout

Question 1

- (a) $5y + 15$ (b) $4a + 8$ (c) $8w + 80$ (d) $3x - 21$
(e) $9s - 9$ (f) $16 - 2t$ (g) $28 + 7h$ (h) $10a + 20b + 30c$
(i) $12y + 8$ (j) $10p - 5$ (k) $21a + 6$ (l) $18x - 45$
(m) $20 + 15t$ (n) $63 - 14c$ (o) $24w + 8$ (p) $9 - 36p$
(q) $22k - 55$ (r) $120a + 100c$ (s) $45w - 21$ (t) $27 - 6a$

Question 2:

- (a) $-2w - 10$ (b) $-3c - 21$ (c) $-8c - 56$ (d) $-10y + 20$
(e) $-7g + 21$ (f) $-8w - 12$ (g) $-27w + 45$ (h) $-45x + 9$
(i) $-30 + 5c$ (j) $-24 - 18m$ (k) $-2 - 18c$ (l) $-40a + 35w$

Question 3:

- (a) $ac + 2a$ (b) $cd - 3c$ (c) $ab + ac$ (d) $8w - wy$
(e) $5c + ac$ (f) $aw - 9w$ (g) $sy + ty$ (h) $2ac - 6a$
(i) $5xy + 40x$ (j) $6ac + 27a$ (k) $12cg - 6g$ (l) $18k + 9dk$
(m) $10f + 45w$ (n) $15py + 6y$ (o) $2st + 2s$ (p) $-32ax + 12a$

Question 4:

- (a) $a^2 + 2a$ (b) $y^2 - 5y$ (c) $aw + w^2$ (d) $9c - c^2$
(e) $2p^2 + 5p$ (f) $6w^2 - 2w$ (g) $18y^2 + 27y$ (h) $8ac + 20c^2$
(i) $6u - 2u^2$ (j) $m^3 + 3m$ (k) $y^3 - 7y$ (l) $g^3 - 8g^2$
(m) $2w^3 + 12w$ (n) $8a^3 - 12a$ (o) $15c^3 - 5ac$ (p) $24w^3 + 24wy$
(q) $x^4 + 4x^2$ (r) $21w^2 + 6w^4$

Question 5:

- (a) $7y + 29$ (b) $21w + 48$ (c) $11y + 14$ (d) $9g + 11$
(e) $2x + 20$ (f) $-4y - 11$ (g) $55 + 7m$ (h) 26
(i) $18 + 15y$

Question 6:

- (a) $2w^2 + 12w$ (b) $9g^2 - g$ (c) $2n^2 - 9n$
(d) $5e^2 + 21e$ (e) $3a + 2ac + 2c$ (f) $4am + 7m - 4a$
(g) $61c - 24ac + 12$ (h) $7y^2 + 11yz$ (i) $4c^2 + 6c^3$

Apply

Question 1(a) the -1 needed to be multiplied by 3 as well. Answer = $6y - 3$

Question 1(b) x multiplied by $x = x^2$. So the answer is $x^2 + 3x$

Question 1(c) -2 multiplied by -5 is +10, not -10. Answer $4w + 28$.