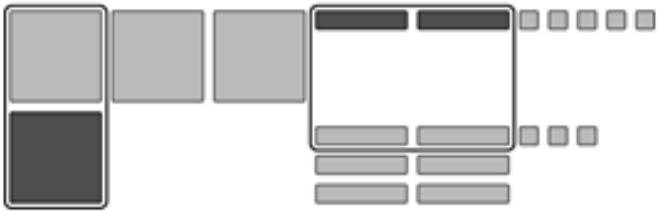
Réponses – 5,3 Additionner les polynômes

1. **a)** $2h + 4$

b) $-3a^2 + 4a$

c) $2y^2 + 4y + 8$



d) $2 - y - 2y^2$

2. **a)** $3x - 3$ **b)** $2b^2$
c) $-6y^2 + 8y$ **d)** $2n^2 + 4$

3. **a)** $-5x - 3$ **b)** $-4x^2 - 4$
c) $-6x$ **d)** $x^2 + 2$

4. **a)** $-6y^2 + 8y - 7$ **b)** $-n - 5n^2 + 1$
c) $-7m^2 - 2$ **d)** $-10d^2 + d$

5. **a)** **i)** $(2n + 2) + (n + 1) + (2n + 2) + (n + 1)$
$= 6n + 6$
ii) $(3p + 4) + (3p + 4) + (3p + 4) = 9p + 12$
iii) $(4y + 1) + (4y + 1) + (4y + 1) + (4y + 1)$
$= 16y + 4$
iv) $(a + 8) + (a + 3) + (12) = 2a + 23$
b) **i)** $2(1) + 2 + 1 + 1 + 2(1) + 2 + 1 + 1 = 12$
$6(1) + 6 = 12$
ii) $3(1) + 4 + 3(1) + 4 + 3(1) + 4 = 21$
$9(1) + 12 = 21$
iii) $4(1) + 1 + 4(1) + 1 + 4(1) + 1 + 4(1) + 1$
$= 20$
$16(1) + 4 = 20$
iv) $1 + 8 + 1 + 3 + 12 = 25$
$2(1) + 23 = 25$

6. $(4r + 5 - 3r^2) - (-8 - 2r^2 + 2r) = 13 - r^2 + 2r$