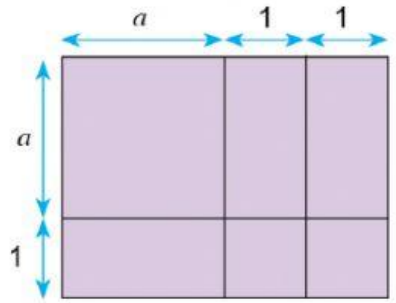
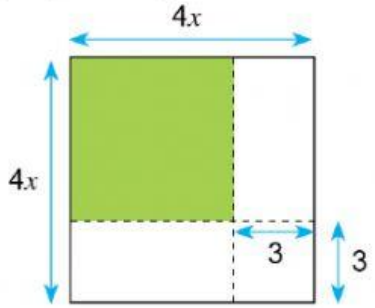
Matematik Tingkatan 2
Latihan 2.1

Nama: Kelas:

1. Berdasarkan jubin algebra berikut, tulis luas kawasan berlorek dalam bentuk pendaraban dua ungkapan algebra.





2. Kembangkan ungkapan algebra berikut.

a) 3(x + 2) =

b) 4(8x – 3) =

c) 2(a + 5) =

d) -2(pr – 2pq) =

e) 3(5bc – 6) =

f) 7(2ef + 3e) =

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3. Padankan kembangan ungkapan algebra yang betul.

a) $(a + 1)(a + 2) =$

b) $(2 + a)(5 - a) =$

c) $(a - 5)(a + 4) =$

d) $(3a - 2)(4a - 1) =$

e) $(2a + b)(4a - 3b) =$

f) $(2a - \frac{1}{2}b)(4a - 2b) =$

g) $(a - 3b)^2 =$

h) $(4a - 3)^2 =$

$8a^2 - 6ab + b^2$	$a^2 + 3a + 2$	$a^2 - a - 20$	$8a^2 - ab - 3b^2$
$12a^2 - 11a + 2$	$a^2 - 6ab + 9b^2$	$16a^2 - 24a + 9$	$10 + 3a - a^2$

4. Permudahkan ungkapan berikut (Padankan jawapan yang betul)

a) $(5b + 3) + 4(3b - a)$

b) $3(4a - 5ab) - 2(8a + ab)$

c) $(a - b)^2 - 2a(3a - 3b)$

d) $(a + b)(a - b) + 2a(a + 2b)$

$-5a^2 + 4ab + b^2$	$8a^2 - ab - 3b^2$	$-4a - 17ab$
$a^2 - 6ab + 9b^2$	$3a^2 - b^2 + 4ab$	$17b - 4a + 3$

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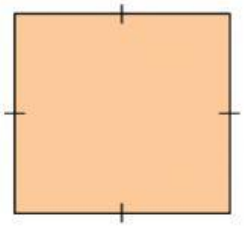
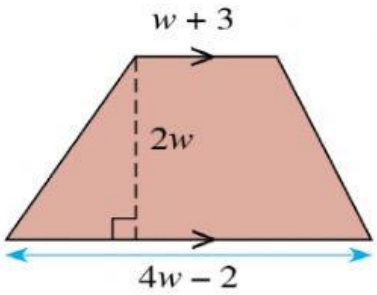
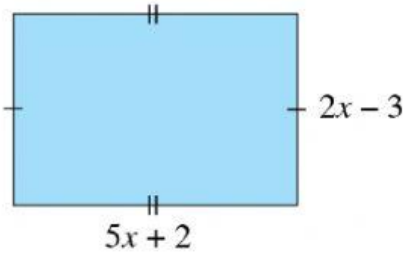
5. Hitung luas rajah berikut dengan menggunakan unkapan algebra (Tak perlu kembangkan).







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