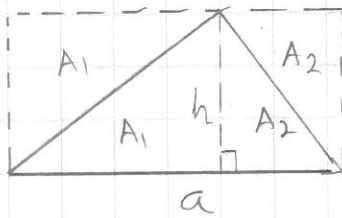


2. Monikulmioita



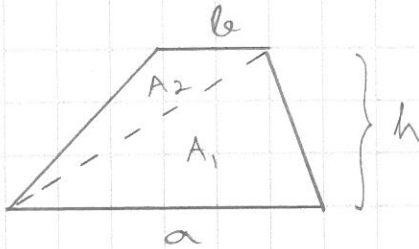
Kolmio: $A_b = A_1 + A_2$

monikulmio: $A_n = 2A_1 + 2A_2 = 2(A_1 + A_2) = 2A_b$

$\Rightarrow A_b = \frac{1}{2}A_n = \frac{1}{2}ah$

$A_b = \frac{1}{2}ah$

KOLMION PINTA-ALA



$A = A_1 + A_2 = \frac{1}{2}ah + \frac{1}{2}bh = \frac{1}{2}h(a+b)$
 $= \frac{a+b}{2}h$ PUOLISUUNNIKKAAN PINTA-ALA

2.2 , 13

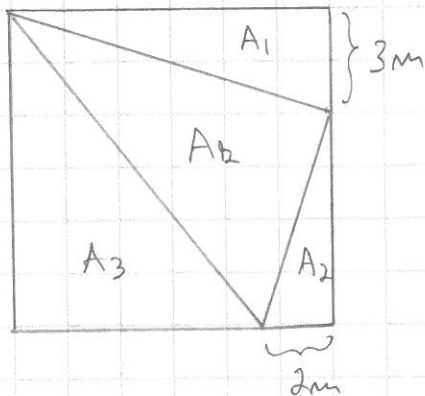
2.2a) $A = 4\text{ cm} \cdot 2\text{ cm} = 8\text{ cm}^2$

b) $A = 4\text{ mm} \cdot 2\text{ mm} = 8\text{ mm}^2$

c) $A = A_1 + A_2 = 3\text{ m} \cdot 3\text{ m} + 3\text{ m} \cdot 2\text{ m} = 15\text{ m}^2$

d) $A = A_1 + A_2 + A_3 = 1\text{ cm} \cdot 5\text{ cm} + \frac{1}{2} \cdot 2\text{ cm} \cdot 2\text{ cm} + 2\text{ cm} \cdot 2\text{ cm} = 11\text{ cm}^2$

2.13

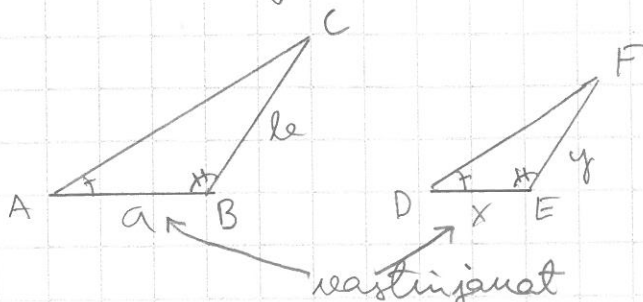


$A_4 = A_n - A_1 - A_2 - A_3$

$= 9\text{ m} \cdot 9\text{ m} - \frac{1}{2} \cdot 9\text{ m} \cdot 3\text{ m} - \frac{1}{2} \cdot 2\text{ m} \cdot 6\text{ m} - \frac{1}{2} \cdot 7\text{ m} \cdot 9\text{ m}$
 $= 30\text{ m}^2$

3. Mittaseura

Kolmioiden yhdenmuotoisuus:



$1^\circ \angle A = \angle D$

$2^\circ \angle B = \angle E$

$\Rightarrow \triangle ABC \sim \triangle DEF$ (k2)

↑
yhdennuotoisuus

↑
pohja pohja