



多邊形面積 Area of Polygon

填空：

Fill in the blanks:

① 正方形面積 = $\boxed{\text{邊長}} \times \boxed{\text{邊長}}$
Area of square = $\boxed{\text{Side Length}} \times \boxed{\text{Side Length}}$

② 長方形面積 = $\boxed{\text{長}} \times \boxed{\text{闊}}$
Area of rectangle = $\boxed{\text{Length}} \times \boxed{\text{Width}}$

③ 平行四邊形面積 = $\boxed{\text{底}} \times \boxed{\text{高}}$
Area of parallelogram = $\boxed{\text{Base}} \times \boxed{\text{Height}}$

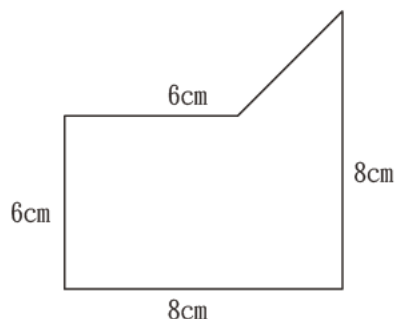
④ 三角形面積 = $\boxed{\text{底}} \times \boxed{\text{高}} \div \boxed{2}$
Area of triangle = $\boxed{\text{Base}} \times \boxed{\text{Height}} \div \boxed{2}$

⑤ 梯形面積 = $(\boxed{\text{上底}} + \boxed{\text{下底}}) \times \boxed{\text{高}} \div \boxed{2}$
Area of trapezium = $(\boxed{\text{Upper Base}} + \boxed{\text{Lower Base}}) \times \boxed{\text{Height}} \div \boxed{2}$

計算各圖面積：

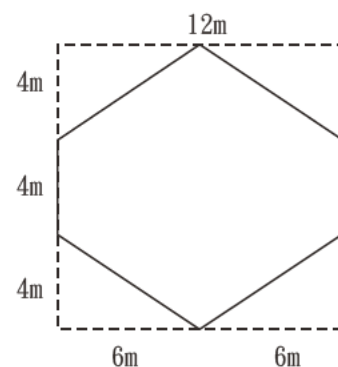
Find the area of the figures :

①



$$\begin{aligned} \text{面積} &= 2 \times 2 \div 2 + 6 \times 8 / \\ \text{Area} &= 8 \times 8 - (6+8) \times 2 \div 2 / \\ &= 6 \times 6 + (6+8) \times 2 \div 2 \\ &= 50 \text{ cm}^2 \end{aligned}$$

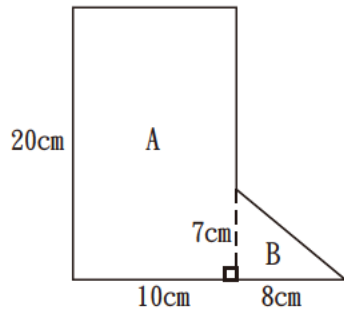
②



$$\begin{aligned} \text{面積} &= 12 \times 12 - 6 \times 4 \div 2 \times 4 / \\ \text{Area} &= 4 \times 12 \div 2 \times 2 + 4 \times 12 / \\ &= (4+12) \times 6 \div 2 \times 2 \\ &= 96 \text{ m}^2 \end{aligned}$$

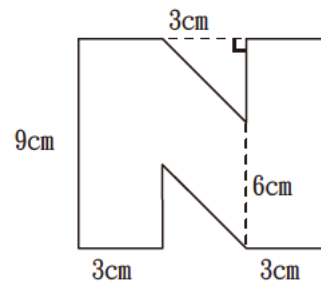
計算各圖面積：
Find the areas of the figures :

①



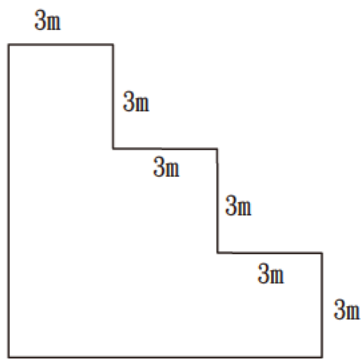
$$\begin{aligned} \text{面積} &= 20 \times 10 + 7 \times 8 \div 2 / \\ \text{Area} &= \frac{20 \times 18 - (13 + 20) \times 8 \div 2}{2} \\ &= 228 \text{ cm}^2 \end{aligned}$$

②



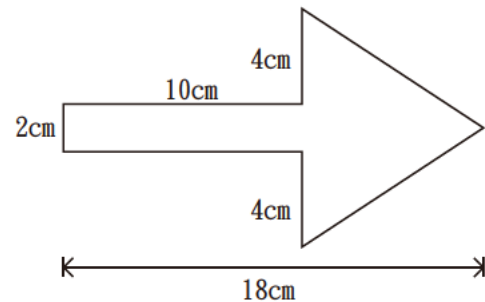
$$\begin{aligned} \text{面積} &= 9 \times 3 \times 2 + 6 \times 3 / \\ \text{Area} &= \frac{9 \times 9 - 3 \times 3 \div 2 \times 2}{2} \\ &= 72 \text{ cm}^2 \end{aligned}$$

③



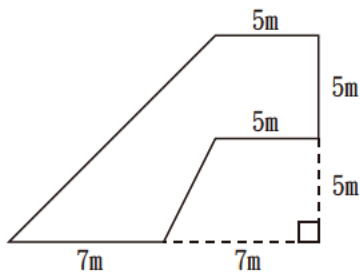
$$\begin{aligned} \text{面積} &= 3 \times 9 + 3 \times 6 + 3 \times 3 / \\ \text{Area} &= \frac{9 \times 9 - (3 \times 6 + 3 \times 3) /}{3 \times 3 \times 6} \\ &= 54 \text{ m}^2 \end{aligned}$$

④



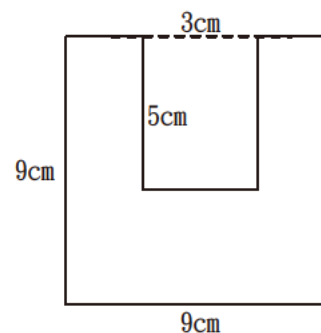
$$\begin{aligned} \text{面積} &= 2 \times 10 + (4 + 2 + 4) \times (18 - 10) \div 2 \\ \text{Area} &= \frac{2 \times 10 + (4 + 2 + 4) \times (18 - 10) \div 2}{2} \\ &= 60 \text{ cm}^2 \end{aligned}$$

⑤



$$\begin{aligned} \text{面積} &= (5 + 7 + 7) \times (5 + 5) \div 2 - \\ \text{Area} &= \frac{(5 + 7) \times 5 \div 2}{2} \\ &= 65 \text{ m}^2 \end{aligned}$$

⑥



$$\begin{aligned} \text{面積} &= 9 \times 9 - 3 \times 5 \\ \text{Area} &= \frac{9 \times 9 - 3 \times 5}{2} \\ &= 66 \text{ cm}^2 \end{aligned}$$