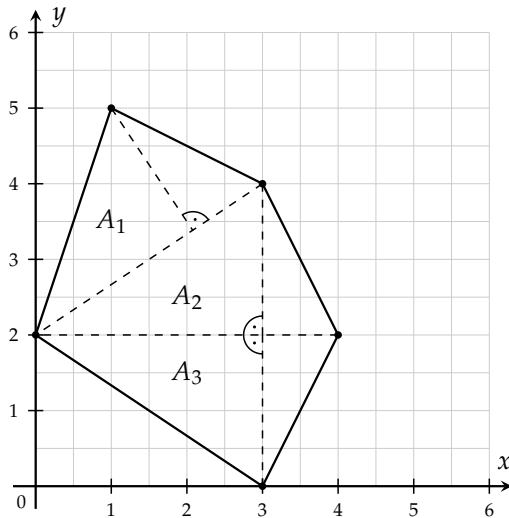


## Aufgabe 8

a)



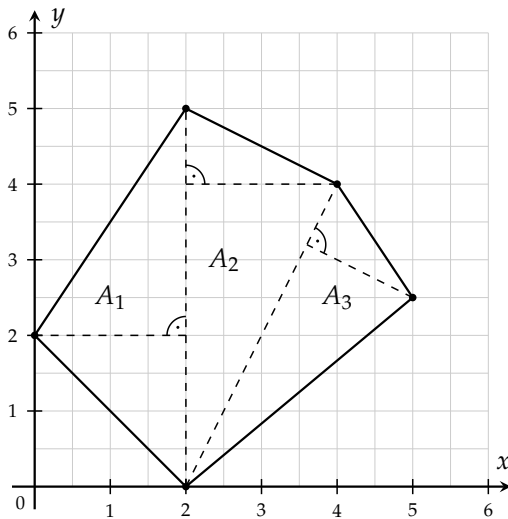
$$A_{\text{Dreieck}} = \frac{1}{2} \cdot g \cdot h$$

$$A_1 = \frac{1}{2} \cdot 3,6 \cdot 1,9 = 3,42 \text{ [cm}^2\text{]}$$

$$A_2 = A_3 = \frac{1}{2} \cdot 4 \cdot 2 = 4 \text{ [cm}^2\text{]}$$

$$\begin{aligned} A_{\text{gesamt}} &= A_1 + A_2 + A_3 \\ &= 4 + 4 + 3,42 = 11,42 \text{ [cm}^2\text{]} \end{aligned}$$

b)



$$A_{\text{Dreieck}} = \frac{1}{2} \cdot g \cdot h$$

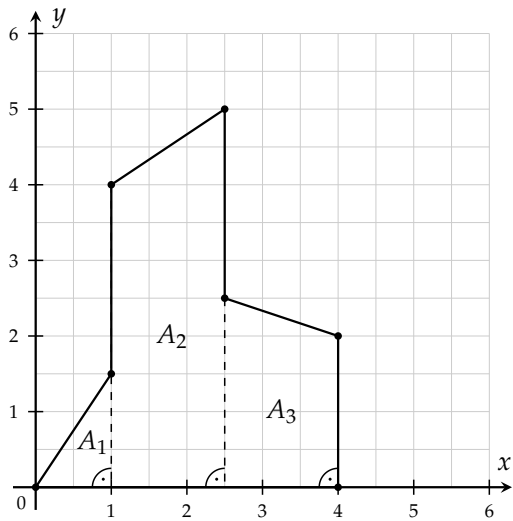
$$A_1 = \frac{1}{2} \cdot 5 \cdot 2 = 5 \text{ [cm}^2\text{]}$$

$$A_2 = \frac{1}{2} \cdot 5 \cdot 2 = 5 \text{ [cm}^2\text{]}$$

$$A_3 = \frac{1}{2} \cdot 4,5 \cdot 1,6 = 3,6 \text{ [cm}^2\text{]}$$

$$\begin{aligned} A_{\text{gesamt}} &= A_1 + A_2 + A_3 \\ &= 5 + 5 + 3,6 = 13,6 \text{ [cm}^2\text{]} \end{aligned}$$

c)



$$A_{\text{Dreieck}} = \frac{1}{2} \cdot g \cdot h$$

$$A_1 = \frac{1}{2} \cdot 1 \cdot 1,5 = 0,75 \text{ [cm}^2\text{]}$$

$$A_{\text{Trapez}} = \frac{a + c}{2} \cdot h$$

$$A_2 = \frac{4 + 5}{2} \cdot 1,5 = 6,75 \text{ [cm}^2\text{]}$$

$$A_3 = \frac{2,5 + 2}{2} \cdot 1,5 = 3,375 \text{ [cm}^2\text{]}$$

$$A_{\text{gesamt}} = A_1 + A_2 + A_3$$

$$= 0,75 + 6,75 + 3,375 = 10,875 \text{ [cm}^2\text{]}$$