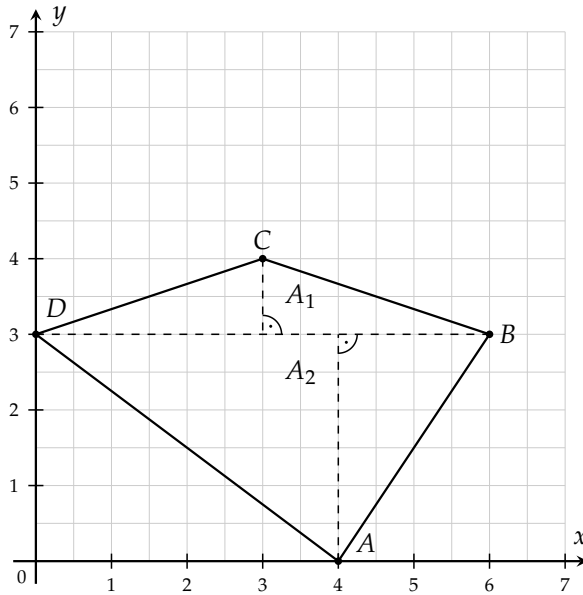


Aufgabe 6

a)

$$A(4 \mid 0), \quad B(6 \mid 3), \quad C(3 \mid 4), \quad D(0 \mid 3)$$



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

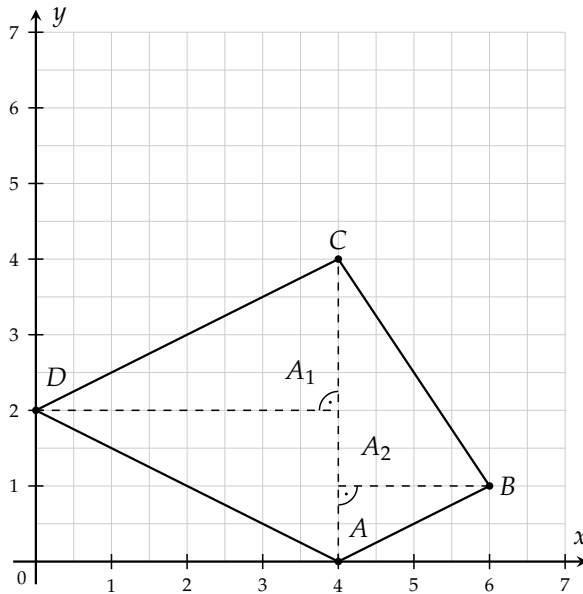
$$A_1 = \frac{1}{2} \cdot 6 \cdot 1 = 3 \text{ [cm}^2\text{]}$$

$$A_2 = \frac{1}{2} \cdot 6 \cdot 3 = 9 \text{ [cm}^2\text{]}$$

$$A_{\text{gesamt}} = A_1 + A_2 = 3 + 9 = 12 \text{ [cm}^2\text{]}$$

b)

$$A(4 | 0), \quad B(6 | 1), \quad C(4 | 4), \quad D(0 | 2)$$



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

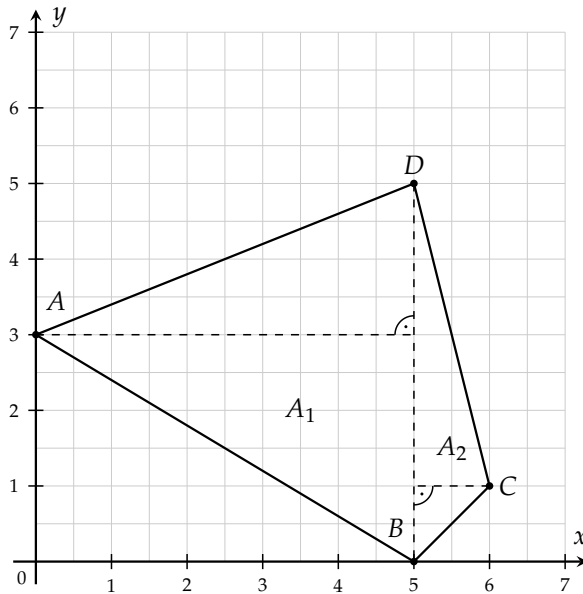
$$A_1 = \frac{1}{2} \cdot 4 \cdot 4 = 8 \text{ [cm}^2\text{]}$$

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

$$A_{\text{gesamt}} = A_1 + A_2 = 8 + 4 = 12 \text{ [cm}^2\text{]}$$

c)

$$A(0 | 3), \quad B(5 | 0), \quad C(6 | 1), \quad D(5 | 5)$$



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

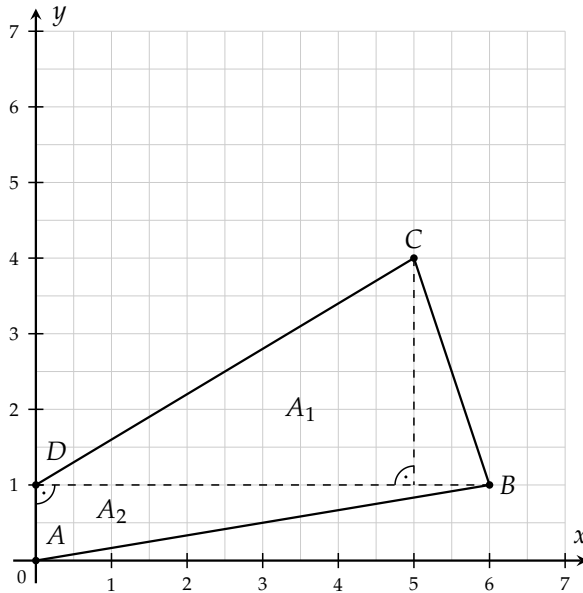
$$A_1 = \frac{1}{2} \cdot 5 \cdot 5 = 12,5 \text{ [cm}^2\text{]}$$

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

$$A_{\text{gesamt}} = A_1 + A_2 = 12,5 + 2,5 = 15 \text{ [cm}^2\text{]}$$

d)

$$A(0|0), \quad B(6|1), \quad C(5|4), \quad D(0|1)$$



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

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

$$A_2 = \frac{1}{2} \cdot 6 \cdot 1 = 3 \text{ [cm}^2\text{]}$$

$$A_{\text{gesamt}} = A_1 + A_2 = 9 + 3 = 12 \text{ [cm}^2\text{]}$$