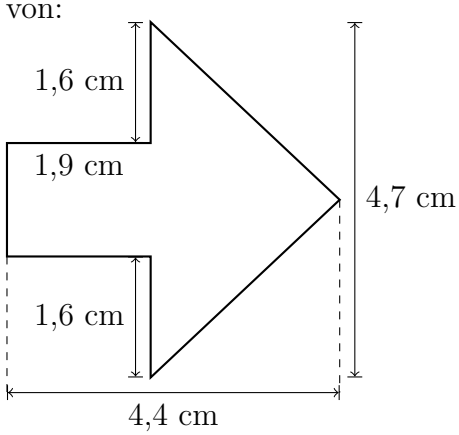
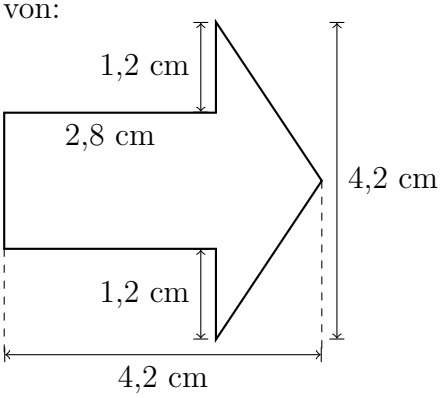
Datum: 08.12.2023

Tägliche Übungen

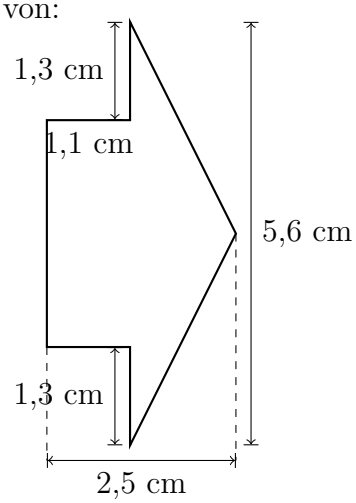
a) Berechne den Flächeninhalt von:



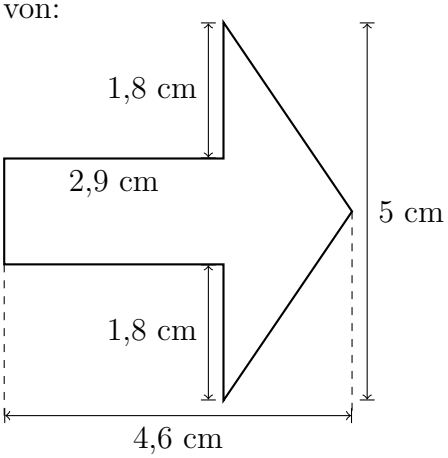
b) Berechne den Flächeninhalt von:



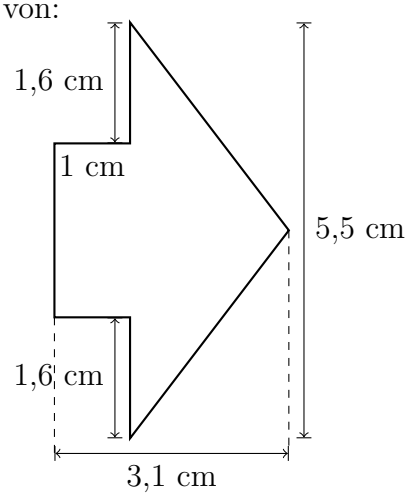
c) Berechne den Flächeninhalt von:



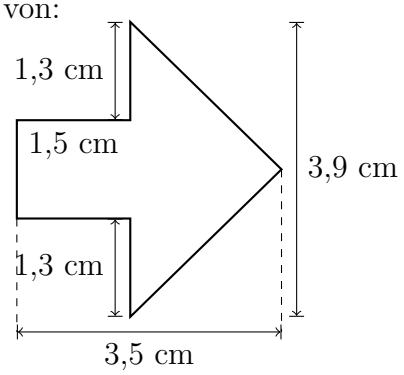
d) Berechne den Flächeninhalt von:



e) Berechne den Flächeninhalt von:



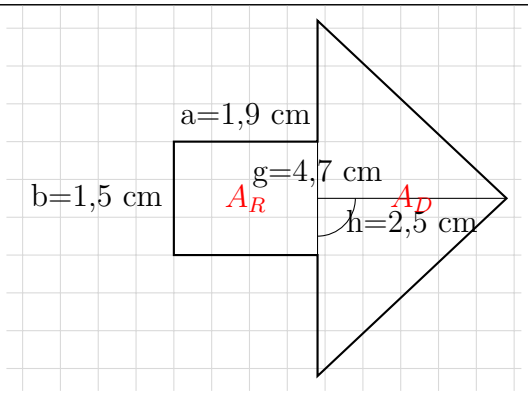
f) Berechne den Flächeninhalt von:



Datum: 08.12.2023

Lösungen Tägliche Übungen

a)



$geg.: a = 1,9\ cm$

$b = 1,5\ cm$

$g = 4,7\ cm$

$h = 2,5\ cm$

$ges.: A_G = ?\ cm^2$

$A_G = A_R + A_D$

$A_R = a \cdot b$

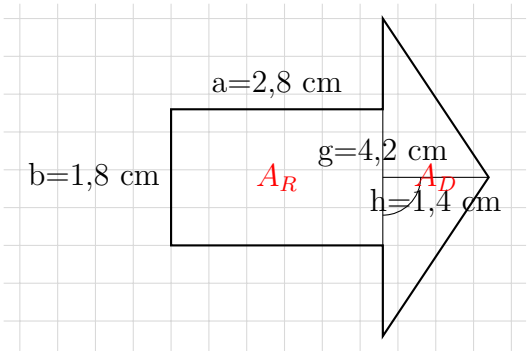
$A_R = 1,9 \cdot 1,5 = 2,85 cm^2$

$A_D = \frac{g \cdot h}{2}$

$A_D = \frac{4,7 \cdot 2,5}{2} = 5,875 cm^2$

$A_G = A_R + A_D = 2,85 + 5,875 = 8,725 cm^2$

b)



$geg.: a = 2,8\ cm$

$b = 1,8\ cm$

$g = 4,2\ cm$

$h = 1,4\ cm$

$ges.: A_G = ?\ cm^2$

$A_G = A_R + A_D$

$A_R = a \cdot b$

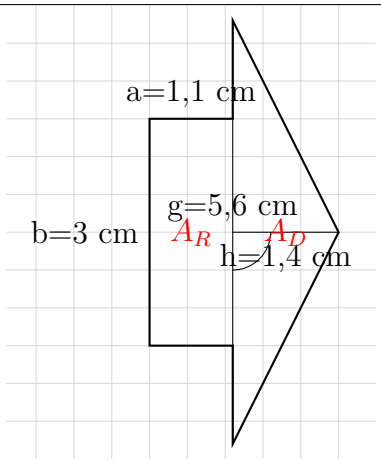
$A_R = 2,8 \cdot 1,8 = 5,04 cm^2$

$A_D = \frac{g \cdot h}{2}$

$A_D = \frac{4,2 \cdot 1,4}{2} = 2,94 cm^2$

$A_G = A_R + A_D = 5,04 + 2,94 = 7,98 cm^2$

c)



$geg.: a = 1,1\ cm$

$b = 3\ cm$

$g = 5,6\ cm$

$h = 1,4\ cm$

$ges.: A_G = ?\ cm^2$

$A_G = A_R + A_D$

$A_R = a \cdot b$

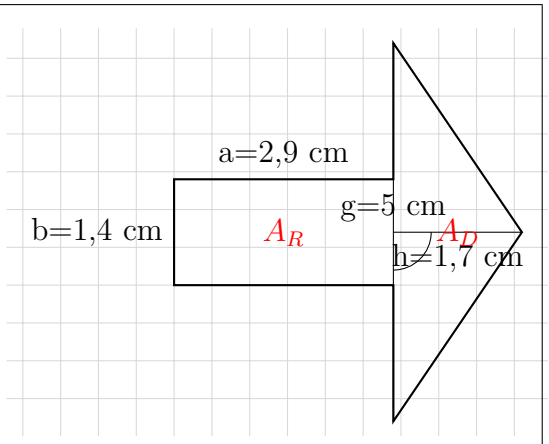
$A_R = 1,1 \cdot 3 = 3,3 cm^2$

$A_D = \frac{g \cdot h}{2}$

$A_D = \frac{5,6 \cdot 1,4}{2} = 3,92 cm^2$

$A_G = A_R + A_D = 3,3 + 3,92 = 7,22 cm^2$

d)



$geg.: a = 2,9\ cm$

$b = 1,4\ cm$

$g = 5\ cm$

$h = 1,7\ cm$

$ges.: A_G = ?\ cm^2$

$A_G = A_R + A_D$

$A_R = a \cdot b$

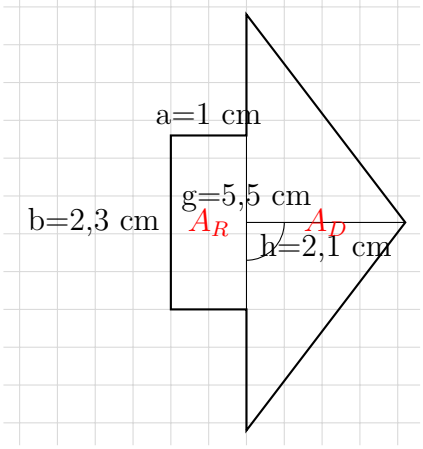
$A_R = 2,9 \cdot 1,4 = 4,06 cm^2$

$A_D = \frac{g \cdot h}{2}$

$A_D = \frac{5 \cdot 1,7}{2} = 4,25 cm^2$

$A_G = A_R + A_D = 4,06 + 4,25 = 8,31 cm^2$

e)



$geg.: a = 1\ cm$

$b = 2,3\ cm$

$g = 5,5\ cm$

$h = 2,1\ cm$

$ges.: A_G = ?\ cm^2$

$A_G = A_R + A_D$

$A_R = a \cdot b$

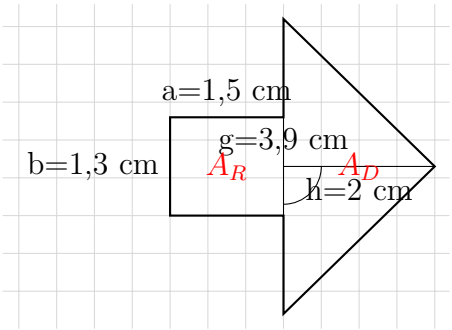
$\underline{A_R = 1 \cdot 2,3 = 2,3 cm^2}$

$A_D = \frac{g \cdot h}{2}$

$\underline{A_D = \frac{5,5 \cdot 2,1}{2} = 5,775 cm^2}$

$\underline{\underline{A_G = A_R + A_D = 2,3 + 5,775 = 8,075 cm^2}}$

f)



$geg.: a = 1,5\ cm$

$b = 1,3\ cm$

$g = 3,9\ cm$

$h = 2\ cm$

$ges.: A_G = ?\ cm^2$

$A_G = A_R + A_D$

$A_R = a \cdot b$

$\underline{A_R = 1,5 \cdot 1,3 = 1,95 cm^2}$

$A_D = \frac{g \cdot h}{2}$

$\underline{A_D = \frac{3,9 \cdot 2}{2} = 3,9 cm^2}$

$\underline{\underline{A_G = A_R + A_D = 1,95 + 3,9 = 5,85 cm^2}}$