a)

$$\begin{aligned} 10a - 11 &= 19 \\ 10a - 11 &= 19 \quad | +11 \\ 10a &= 30 \quad |: (10) \\ a &= 3 \end{aligned}$$

Probe:
$$\begin{aligned} 10a - 11 &= 19 \\ 10 \cdot (3) - 11 &= 19 \\ 30 - 11 &= 19 \\ 19 &= 19 \end{aligned}$$

a)

$$\begin{aligned} \frac{y}{8} &= 7 \quad | \cdot 8 \\ y &= 56 \end{aligned}$$

Probe:
$$\begin{aligned} \frac{y}{8} &= 7 \\ \frac{(56)}{8} &= 7 \\ 7 &= 7 \\ 7 &= 7 \end{aligned}$$

a)

$$\begin{aligned} a - 30 &= 43 \\ a - 30 &= 43 \quad | +30 \\ a &= 73 \end{aligned}$$

Probe:
$$\begin{aligned} a - 30 &= 43 \\ (73) - 30 &= 43 \\ 73 - 30 &= 43 \\ 43 &= 43 \end{aligned}$$

a)

$geg.: g = 2,3cm$

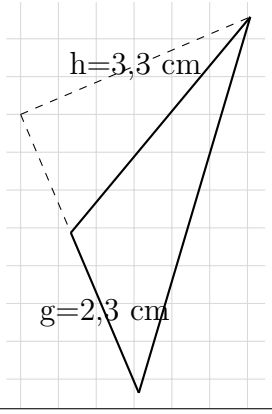
$h = 3,3cm$

$ges.: A = ?$

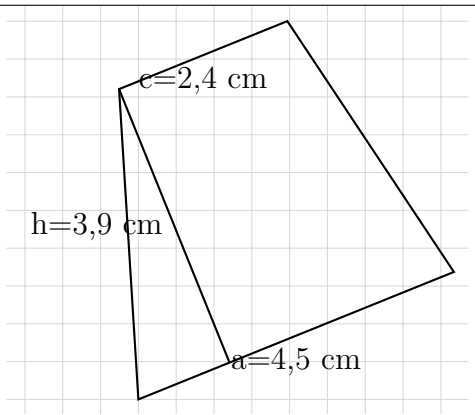
$$A = \frac{g \cdot h}{2}$$

$$= 2,3 \cdot \frac{3,3}{2}$$

$$\underline{\underline{A = 3,79\ cm^2}}$$



a)



$geg.: a = 4,5cm$

$c = 2,4cm$

$h = 3,9cm$

$ges.: A = ?$

$$A = \frac{a + c}{2} \cdot h$$

$$= \frac{4,5 + 2,4}{2} \cdot 3,9$$

$$\underline{\underline{A = 13,46\ cm^2}}$$

a)

$geg.: g = 3,9cm$

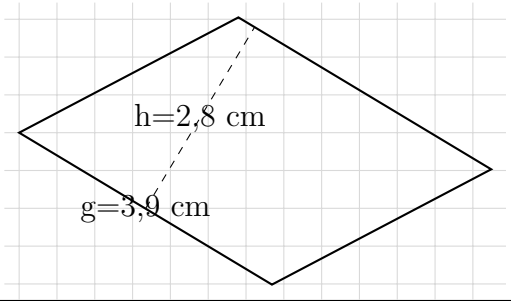
$h = 2,8cm$

$ges.: A = ?$

$A = g \cdot h$

$= 3,9 \cdot 2,8$

$\underline{\underline{A = 10,92\ cm^2}}$



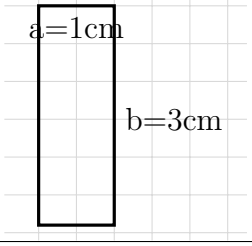
a)

$U = 2 \cdot a + 2 \cdot b$

$U = 2 \cdot 1cm + 2 \cdot 3cm = 8cm$

$A = a \cdot b$

$A = 1 \cdot 3 = 3cm^2$



a)

$a = 9 \rightarrow$

$3 \cdot a + 4 \cdot a = 3 \cdot 9 + 4 \cdot 9 = 63$

b)

$a = -1 \rightarrow$

$2 \cdot a + 4 \cdot a = 2 \cdot (-1) + 4 \cdot (-1) = -6$

a) $2 + 3 - 1 = 4$

b) $4 + 2 + x - 4x = 6 - 3x$

a)

$$
\begin{aligned}
ges.: A &= 37,62\ cm^2 \\
a &= 3,7\ cm \\
h_b &= 3,8\ cm \\
ges.: b &= ?\ cm \\
u &= ?\ cm \\
\\
A &= b \cdot h_b \\
h_b \cdot b &= A && |:(h_b) \\
b &= \frac{A}{h_b} \\
b &= \frac{37,62}{3,8} \\
\underline{\underline{b &= 9,9\ cm}} \\
u &= 2a + 2b \\
&= 2 \cdot 3,7 + 2 \cdot 9,9 \\
\underline{\underline{u &= 27,2\ cm}}
\end{aligned}
$$

b)

$$
\begin{aligned}
ges.: A &= 18,98\ cm^2 \\
a &= 7,8\ cm \\
c &= 9,1\ cm \\
h_b &= 5,2\ cm \\
ges.: b &= ?\ cm \\
u &= ?\ cm \\
\\
A &= \frac{(b \cdot h_b)}{2} \\
\frac{h_b \cdot b}{2} &= A && |\cdot(2) \\
h_b \cdot b &= 2 \cdot A && |:(h_b) \\
b &= \frac{2 \cdot A}{h_b} \\
b &= \frac{37,96}{5,2} \\
\underline{\underline{b &= 7,3\ cm}} \\
u &= a + b + c \\
&= 7,8 + 7,3 + 9,1 \\
\underline{\underline{u &= 24,2\ cm}}
\end{aligned}
$$