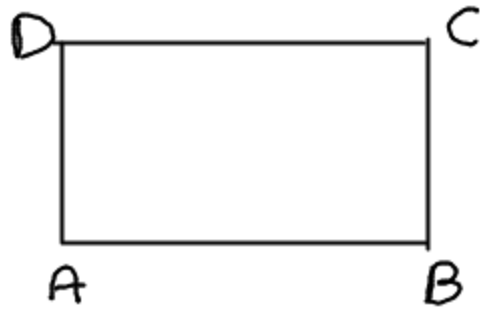


n. 216



A = ?

$$x = \overline{AB}$$

P = ?

$$y = \overline{CB}$$

$$x \geq 0$$

$$y \geq 0$$

$$\begin{cases} x + y = 10 \\ y + 1 = x - 1 \end{cases}$$

$$\begin{cases} x + y = 10 \\ y = x - 2 \end{cases}$$

$$\begin{cases} x + x - 2 = 10 \\ y = x - 2 \end{cases}$$

$$\begin{cases} 2x - 2 = 10 \\ \text{idem} \end{cases}$$

$$\begin{cases} 2x = +2 + 10 \\ \text{idem} \end{cases}$$

$$\begin{cases} 2x = +12 \\ \text{idem} \end{cases}$$

$$\begin{cases} \frac{2x}{2} = \frac{+12}{2} \\ \text{idem} \end{cases}$$

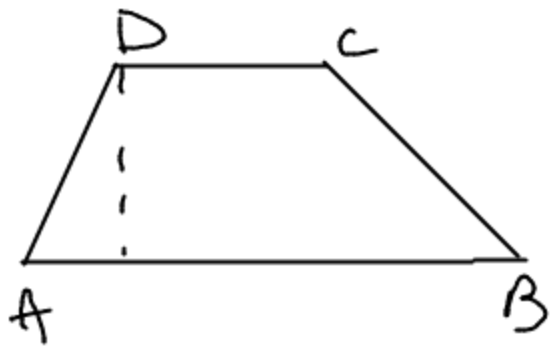
$$\begin{cases} x = 6 \\ y = 6 - 2 \Rightarrow y = 4 \end{cases}$$

Quindi $\overline{AB} = 6 \text{ cm}$
 $\overline{CB} = 4 \text{ cm}$

$$A = b \cdot h = \text{cm}^2 (6 \cdot 4) = 24 \text{ cm}^2$$

$$P = (b + h) \cdot 2 = \text{cm} (6 + 4) \cdot 2 = 20 \text{ cm}$$

m. 219



$$\begin{aligned}\overline{AB} &= x \\ \overline{CD} &= y \\ \overline{DH} &= 4 \text{ cm}\end{aligned}$$

$$x \geq 0, y \geq 0$$

$$\begin{cases} x - y = 4 \\ \frac{4(x+y)}{2} = 32 \end{cases}$$

$$\begin{cases} y = x - 4 \\ 2x + 2y = 32 \end{cases}$$

$$\begin{cases} y = x - 4 \\ x + y = 16 \end{cases}$$

$$\begin{cases} y = x - 4 \\ x + x - 4 = 16 \end{cases}$$

$$\begin{cases} \text{isolasi} \\ 2x = 20 \Rightarrow x = 10 \end{cases}$$

$$\begin{cases} x = 10 \\ y = 10 - 4 = 6 \end{cases}$$

Quisid: $\overline{AB} = 10 \text{ cm}$

$\overline{CD} = 6 \text{ cm}$.