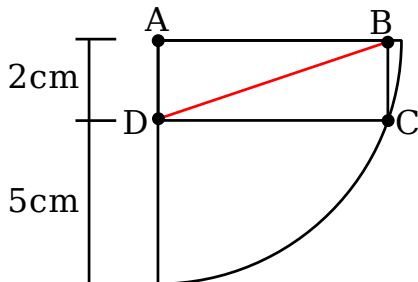
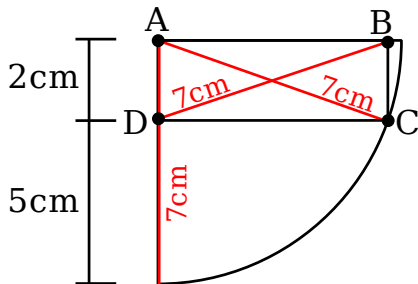


Calculate the distance \overline{DB} .



The distance is 7cm.



The set of a laptop and mouse costs 710 €. The laptop costs 700 € more than the mouse while the laptop costs the price of the set minus the price of the mouse. You want to buy only the mouse and hand the seller a 50 € bill. How much money will you get back?

The set of a laptop and mouse costs 710 €. The laptop costs 700 € more than the mouse while the laptop costs the price of the set minus the price of the mouse. You want to buy only the mouse and hand the seller a 50 € bill.

$$710 \text{ €} = \textit{mouse} + \textit{laptop} \quad (1)$$

$$\textit{laptop} = \textit{mouse} + 700 \text{ €} \quad (2)$$

$$\textit{laptop} = 710 \text{ €} - \textit{mouse} \quad (3)$$

$$\textit{mouse} = 710 \text{ €} - \textit{laptop} \quad (4)$$

$$\textit{mouse} = 710 \text{ €} - \textit{mouse} + 700 \text{ €} \quad (5)$$

$$2 * \textit{mouse} = 10 \text{ €} \quad (6)$$

$$\textit{mouse} = 5 \text{ €} \quad (7)$$

The mouse costs 5 € and you should get 45 € back.