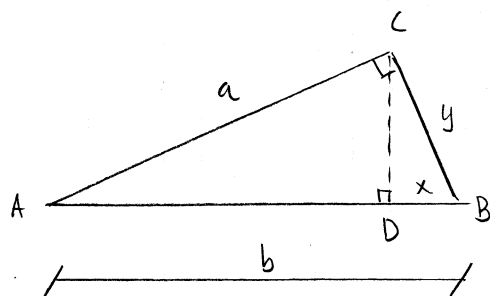


3229



Låt BC ha längden  $y$ . Pythagoras sats i  $\triangle ABC$  ger

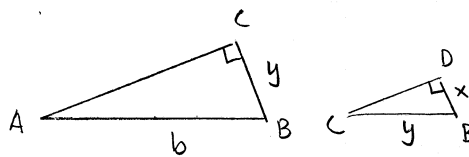
$$a^2 + y^2 = b^2$$

$$y^2 = b^2 - a^2 \quad (1)$$

$\triangle ABC \sim \triangle CBD$  (en vinkel röt,  $\angle B$  gemensam). Delta ger

$$\frac{x}{y} = \frac{y}{b}$$

$$x = \frac{y^2}{b}$$



Insättning av (1) ger

$$x = \frac{b^2 - a^2}{b} \quad \square$$