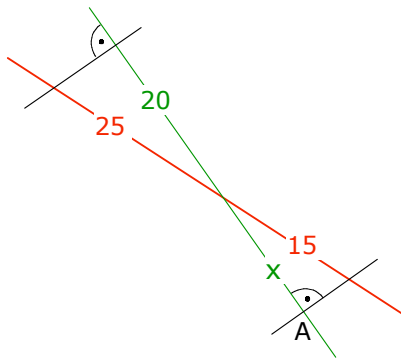
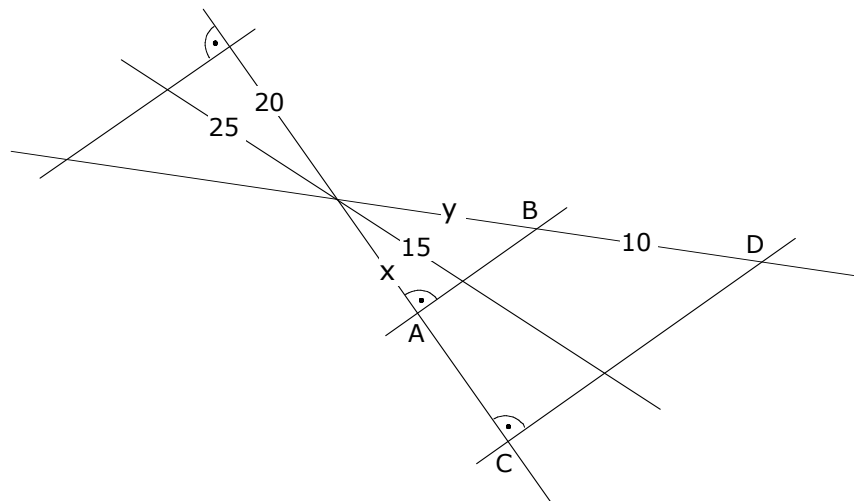


$AB = 16$

$CD = z$

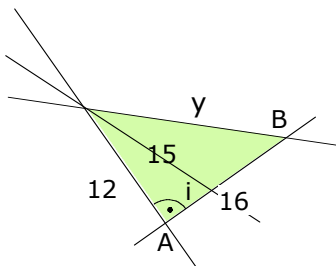
Man berechne  $x, y, z$



$$\frac{\text{links}}{\text{links}} = \frac{\text{rechts}}{\text{rechts}}$$

$$\frac{20}{25} = \frac{x}{15}$$

$$x = \frac{15 \cdot 20}{25} = 12$$

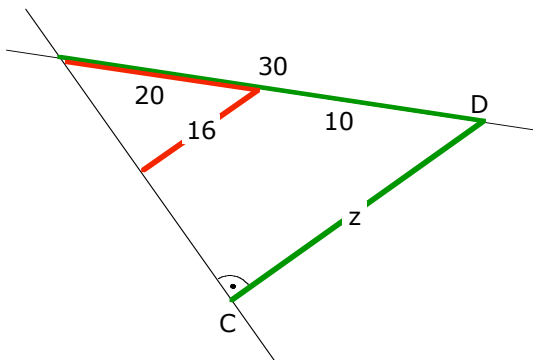


$$y^2 = 144 + 256 = 400$$

$$y = 20$$

$$i^2 = 15^2 - 12^2 = 81$$

$$i = 9$$



$$\frac{\text{Kathete}}{\text{Hypotenuse}} = \frac{\text{Kathete}}{\text{Hypotenuse}}$$

$$\frac{16}{20} = \frac{z}{30}$$

$$z = \frac{16 \cdot 30}{20} = 24$$