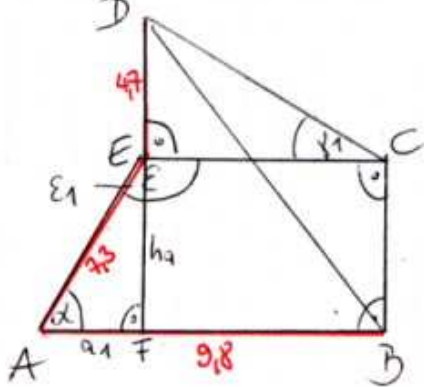


P. 50 S. 156



geg:  $\overline{AE} = 7,3 \text{ cm}$   
 $\overline{DE} = 4,7 \text{ cm}$   
 $\overline{AB} = 9,8 \text{ cm}$   
 $\varepsilon = 124^\circ$

ges:  $\gamma_1 + \overline{BD}$

$\Delta AFE$ :  $\varepsilon_1 = \varepsilon - 90 = 124^\circ - 90^\circ = 34^\circ$      $\alpha = 90^\circ - 34^\circ = 56^\circ$   
 $\sin \alpha = \frac{h_a}{\overline{AE}}$      $h_a = \overline{AE} \cdot \sin \alpha = 7,3 \text{ cm} \cdot \sin 56^\circ = 6,1 \text{ cm}$

$\cos \alpha = \frac{a_1}{\overline{AE}}$      $a_1 = \overline{AE} \cdot \cos \alpha = 7,3 \text{ cm} \cdot \cos 56^\circ = 4,1 \text{ cm}$

$\overline{FB} = \overline{EC} = 9,8 \text{ cm} - 4,1 \text{ cm} = 5,7 \text{ cm}$

$\Delta ECD$ :

$\tan \gamma_1 = \frac{4,7}{5,7}$      $\gamma_1 = \underline{\underline{39,5^\circ}}$

$\Delta FBD$ :

$\overline{DB} = \sqrt{(4,7 + 6,1)^2 + 5,7^2} = \underline{\underline{12,2 \text{ cm}}}$