

17  $\epsilon = ?$   $2\delta = 90^\circ - 39^\circ = 51^\circ$   
 $\delta = 25,5^\circ$   
 $B = 90^\circ - \delta = 64,5^\circ$   
 $180^\circ - B = \epsilon$   
 $\epsilon = 115,5^\circ$

2x wegn  
 Wh  
 Wh

18  $F = ?$   $T = \frac{1}{2}(5+11) \cdot 7 = 56$   
 $D = \frac{1}{2} \cdot 5 \cdot 3,5 = \frac{35}{4}$   
 $A = \frac{1}{2} \cdot 11 \cdot 3,5 = \frac{97}{4}$   
 $F = T - D - A = 56 - \frac{35}{4} - \frac{97}{4} = 28$

19  $\epsilon = ?$   $\delta = 180^\circ - 2 \cdot 34^\circ = 112^\circ$   
 $2\beta = 180^\circ - \delta - 34^\circ = 34^\circ$

$\beta = 17^\circ$   $\epsilon = 34^\circ + \beta = 51^\circ$

20  $A = B$   
 $F = ?$

$A = 5(8-y)$   
 $B = \frac{1}{2}(8-y+8) \cdot 4$   
 $A = B$   
 $40 - 5y = 32 - 2y$   
 $8 = 3y$   
 $y = \frac{8}{3}$   
 $F = \frac{1}{2}(5+9) \cdot \frac{4}{3} = \frac{56}{3}$

21  $180^\circ - 2 \cdot 17^\circ = 144^\circ$

$\beta = \alpha - 17^\circ = 34^\circ$   
 $\alpha = 51^\circ$   
 $\alpha = ?$

22  $F = ?$   $A = \frac{1}{2} \cdot 2 \cdot 4 = 4$   
 $F = \frac{1}{2} \cdot 6^2 - A - D - B = 18 - 4 - 4 - 1 = 9$

$4 = 12 \cdot a$   $D = \frac{1}{2} \cdot a^2 = \frac{1}{2} \cdot \frac{16}{3} = \frac{4}{3} = 1$   
 $B = \frac{1}{2} \cdot b^2$

23  $2\alpha = 180^\circ - 82^\circ = 98^\circ \Rightarrow \alpha = 49^\circ$   
 $2\beta = 180^\circ - 41^\circ = 139^\circ \Rightarrow \beta = 69,5^\circ$   
 $\delta = 180^\circ - \alpha - \beta = 61,5^\circ$

24 Die Flächenstücke A, B, C, D haben gleichen Umfang  
 $D = ?$

$D = 3 \cdot 5 = 15$

Gleiches System  
 $x = x'$   
 $x = 3$   
 $y = 5$