

1)

$$(11 + 34) - [86 + (-13)] = -28$$

Differenz

	Minuend		Subtrahend	
	Summe		Summe	
1. Summand	2. Summ.		1. Summand	2. Summand
11	34		86	- 13

$$-43 - \{[144 : (-50 + 32) + 15] \cdot (-8)\}$$

Differenz

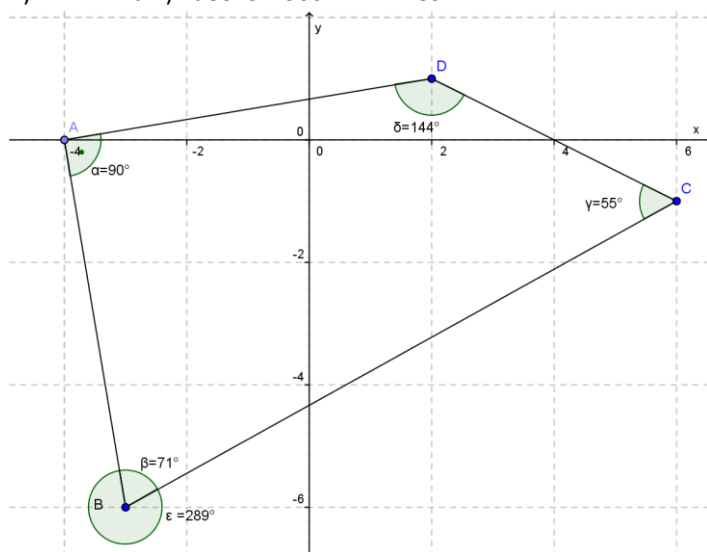
Minuend	Subtrahend			
- 43	Produkt			
	1. Faktor		2. Faktor	
	Summe		- 8	
	1. Summand	2. Summand		
	Quotient	15		
Dividend	Divisor			
144	Summe			
	1. Summand	2. Summand		
	- 50	32		

$$-43 - \{[144 : (-50 + 32) + 15] \cdot (-8)\} = -43 - \{[144 : (-18) + 15] \cdot (-8)\} = -43 - \{[-8 + 15] \cdot (-8)\} = -43 - \{-56\} = 13$$

$$(-78 - 18) : (-2) - 32 \cdot (-3) = -96 : (-2) + 96 = 48 + 96 = 144$$

- 2)  $(-13) \cdot 12 + (-13) \cdot 15 - (-13) \cdot 7 = -13 \cdot (12 + 15 - 7) = -260$  (Distributivgesetz)  
 $(-8) \cdot 14 - (-8) \cdot 22 - (-8) \cdot (-8) = -8 \cdot (14 - 22 + 8) = 0$  (Distributivgesetz)  
 $17 \cdot 19 = 17 \cdot (20 - 1) = 17 \cdot 20 - 17 = 323$  (Distributivgesetz)  
 $1248 : (7^2 - 1) - 7^2 = 1248 : 48 - 49 = 26 - 49 = -23$  (Klammer zuerst, Punkt vor Strich)

3) 4) zu 4) Idee:  $\epsilon = 360^\circ - 71^\circ = 289^\circ$



- 5)  $130\text{mm} = 0,13\text{ m}$ ;  $3\text{km} + 9\text{m} = 30\,000\text{ dm} + 90\text{ dm} = 30\,090\text{ dm}$ ;  
 $23,5\text{kg} = 0,0235\text{t}$ ;  $0,4\text{kg} = 400\text{g}$ ;  $9\text{ h} = 540\text{min}$ ;  $144\text{h} = 6\text{Tage}$

- 6) a)  $U = 2 \cdot 20\text{m} + 2 \cdot 60\text{m} = 160\text{m}$ ;  $A = 20\text{m} \cdot 60\text{m} = 1200\text{m}^2$ ;  
 b) (Skizze!)  $A = 2 \cdot 3,5\text{m} \cdot 67\text{m} + 2 \cdot 3,5\text{m} \cdot 20\text{m} = 609\text{m}^2$ ; Kosten:  $10,50\text{€} \cdot 609 = 6394,5\text{€}$   
 7)  $O = 2 \cdot l \cdot b + 2 \cdot l \cdot h + 2 \cdot b \cdot h = 2 \cdot 8\text{cm} \cdot 4\text{cm} + 2 \cdot 8\text{cm} \cdot 6\text{cm} + 2 \cdot 4\text{cm} \cdot 6\text{cm} = 208\text{cm}^2 = 0,0208\text{m}^2$

