

# Lösungen 2012

## Geometrie

1. Konstruktion

2. Konstruktion (2 Lösungen)

3.  $x = 4.8 \text{ cm}$

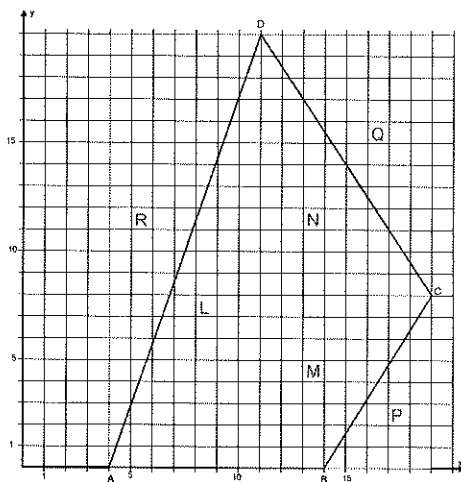
4.  $\gamma = 18.0^\circ$ ;  $\beta = 54.0^\circ$

5. a)  $s = 12.73 \text{ cm}$

b)  $A = 280.59 \text{ cm}^2$

c)  $V = 243.0 \text{ cm}^3$

6. a)



b)  $F = 162$

7. a)  $A_{\Delta} = 7.56 \text{ cm}^2$ ;  $A_{\circ} = 5.94 \text{ cm}^2$

b) 1.414 oder 0.707