

13.2 Lösungen

1. $A = \underline{\underline{9,92 \text{ [cm}^2\text{]}}}$

2. a) $A = \frac{s^2 \cdot \sqrt{3}}{4}$
 b) $A = \underline{\underline{27,71 \text{ [cm}^2\text{]}}}$

3. $x = \underline{\underline{75,97 \text{ [mm]}}}$

b) $b = \underline{\underline{52,80 \text{ [cm]}}}$
 c) $c = \underline{\underline{72,72 \text{ [cm]}}}$
 4. h) $h = \underline{\underline{36,30 \text{ [cm]}}}$
 p) $p = \underline{\underline{34,38 \text{ [cm]}}}$
 q) $q = \underline{\underline{38,34 \text{ [cm]}}}$

5. $U = 260,18 \text{ [cm]} = \underline{\underline{2,60 \text{ [m]}}}$

6. $d = \underline{\underline{46,19 \text{ [mm]}}}$

7. a) $d = \underline{\underline{\sqrt{2} \cdot s}}$
 b) $d = \underline{\underline{56,57 \text{ [mm]}}}$

8. a) $d = \underline{\underline{\sqrt{a^2 + b^2 + c^2}}}$
 b) $d = \underline{\underline{7,07 \text{ [cm]}}}$

9. a) $x = d \cdot \frac{\sqrt{3}}{2} = \underline{\underline{d \cdot 0,87}}$
 $b = d \cdot \left(\frac{\sqrt{3}}{2} + 1 \right) = \underline{\underline{d \cdot 1,87}}$
 b) $x = \underline{\underline{1,73 \text{ [cm]}}}$
 $b = \underline{\underline{3,73 \text{ [cm]}}}$

10. a) $A = \underline{\underline{20,78 \text{ cm}^2}}$
 b) $h = \underline{\underline{7,44 \text{ [cm]}}}$
 $s = \underline{\underline{8,60 \text{ [cm]}}}$