

1. a) $a = \frac{A}{h} = \underline{4\text{cm}}$ $b = \frac{u-2a}{2} = \underline{4\text{cm}}$ Quadrat, weil $a = b = h$
 b) $a = \frac{A}{h} = \underline{5\text{cm}}$ $b = \frac{u-2a}{2} = \underline{5\text{cm}}$ Raute / Rhombus, weil $a = b$
 c) $a = \frac{A}{h} = \underline{7\text{cm}}$ $b = \frac{u-2a}{2} = \underline{11\text{cm}}$ Parallelogramm
2. a) $a = \frac{u}{4} = \underline{10\text{cm}}$ --> Quadrat $A = a^2 = \underline{100\text{cm}^2}$
 b) Quadrat $b = \sqrt{A} = \underline{7\text{cm}}$ $u = 4 \cdot a = \underline{28\text{cm}}$
3. Wand mit Türe $4\text{m} \cdot 2,4\text{m} = 9,6\text{m}^2$
 Rückwand $4\text{m} \cdot 1,7\text{m} = 6,8\text{m}^2$
 Seitenwand (ganz) $2,4\text{m} \cdot 3,3\text{m} = 7,92\text{m}^2$
 Abzug schräge Stelle $0,7\text{m} \cdot 1,6\text{m} : 2 = 0,56\text{m}^2$
 Abzug Türe $1,1\text{m} \cdot 2,1\text{m} = 2,31\text{m}^2$
- Total: $9,6\text{m}^2 + 6,8\text{m}^2 + 7,92\text{m}^2 - 0,56\text{m}^2 + 7,92\text{m}^2 - 0,56\text{m}^2 - 2,31\text{m}^2$
 = $28,81\text{m}^2$
4. $A = 4\text{m} \cdot 3,3\text{m} = \underline{13,2\text{m}^2}$
5. $h_c = \frac{2A}{c} = \underline{7,2\text{cm}}$ $b = h_a = \frac{2A}{a} = \underline{9\text{cm}}$