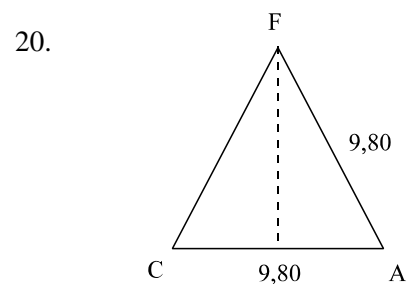


Kubuswoning

18. $\sqrt{2 \cdot (AB)^2} = 9,80 \quad \rightarrow \quad AB = \frac{9,80}{\sqrt{2}} = 6,93$

19. $\tan(\angle HBF) = \frac{\sqrt{2 \cdot (6,93)^2}}{6,93} = \sqrt{2} \quad \rightarrow \quad \angle HBF = 54,7^\circ$



$$A_{CAF} = \frac{1}{2} \cdot 9,80 \cdot \sqrt{(9,80)^2 - (\frac{1}{2} \cdot 9,80)^2} = 41,6$$

De oppervlakte van de vloer is dus ongeveer 42 m^2 .