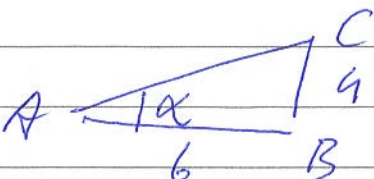


19)  $a^2 + b^2 = c^2$
 $6^2 + 4^2 = c^2$
 $c = \sqrt{52} = 7.2 \text{ m}$

20) $\sin \alpha = \frac{a}{b} = \frac{a}{1.5}$ $a = \sin 30 \cdot 1.5 = 0.75 \text{ m}$

21) $P_{\max} = U \cdot I$ 800 W/m^2 $U = 30 \text{ V}$
 $I = 6.7 \text{ A}$

$P = 30 \cdot 6.7 = 201 \text{ W}$

$R = 18\%$ $W_p = \text{eenheid overal in wereld}$
 gelijk

$18\% = x$ $x = \frac{100}{18} = 5.5 \text{ m}^2$
 $100\% = 1$

22) 3 afbeeldingen - 3V op de gevel
 - een licht

monokristalijn = \ominus Dmordak

> \oplus Hogen Rendement ^{Bereik} (tegen $^{\circ}\text{C}$)

\oplus Bereik voor kleinere dak

23) ^{20k licht} \odot paneel \otimes laadkegelak, accu, omvormer maakt van gelijk - wisselspanning

24) A) $40/60 = \frac{2}{3} \text{ l/s}$

B) 2 kg

C) $30/60 = 0.5 \text{ l/s} = 0.5 \text{ kg/s}$

25) A) $T = 20^{\circ}\text{C}$, $0.01 \text{ kg/s} = \phi$

$Q = \phi_m \cdot c \cdot \Delta T = 0.01 \text{ kg/s} \cdot 4180 \text{ J/kgK} \cdot \Delta T (= 20)$

$Q = 12564 \text{ W} = 12.56 \text{ kW}$

Foutje:

A) $Q = m \cdot c \cdot \Delta T$ $2000 \text{ W} = 0.015 \text{ kg/s} \cdot 4180 \text{ J/kgK} \cdot \Delta T$
 $\Delta T = \frac{2000}{62.7} = 31.9^{\circ}\text{C} + 18 \approx 50^{\circ}\text{C}$

26) Beldid / stabiel in Duitsland

Faint, illegible handwriting on lined paper, possibly bleed-through from the reverse side. The text is mostly mirrored and difficult to decipher.