

1. $a = 180^\circ - 30^\circ - 90^\circ = 60^\circ$

B: $180^\circ - 45^\circ - 90^\circ = 45^\circ$

Sen $(60^\circ) = h / \text{sen}(30^\circ) = 173 \text{ h}$

$(200 \cdot x) (\text{sen } 45^\circ) = h / \text{sen}(45^\circ) = x = 200 = h(2)$

$200 = 173 + h \quad h = (200) / (273)$

$h = 73,2 \text{ m}$

2 Sen $^{-1}$ $\text{cos} = 48,37 \quad \underline{800,89}$

$q = 180 - 75 - 48,34 = 0,26$

$= 116,63 = \frac{7,13}{926}$

Sen $0,89 = 27,6 \text{ cm}$

3 $a = b^2 + c^2 - 2c \cdot b \cos(a)$

$\sqrt{5 + 10^2 - 2(5) \cdot 10 \cos(110^\circ)}$

$= 13,22 \text{ cm}$

4 $b^2 = a^2 + c^2 - 2ac \cos(B)$

$\sqrt{b^2} = \sqrt{9^2 + 6^2 - 2 \cdot 9 \cdot 6 \cdot \cos(120)}$

$b = 13,07 \text{ cm}$

$$h / \text{sen } 90^\circ$$

$$h / \text{sen } 70^\circ$$

$$10 \cdot \text{sen } 70^\circ = x$$

$$h = 10 \cdot 0,9397$$

$$h = 9,397$$

