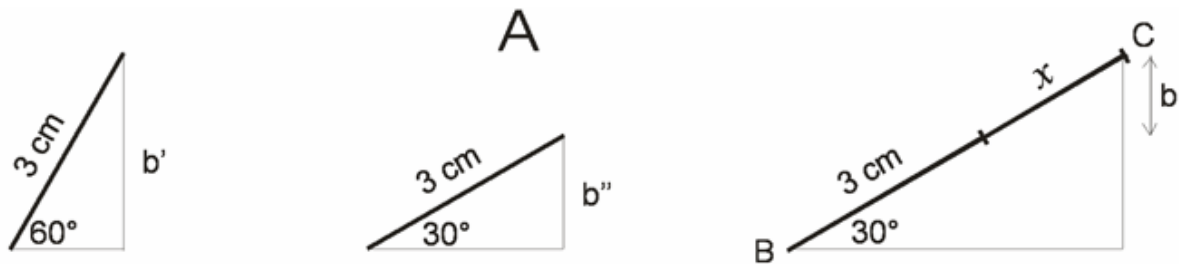


### Digital supplementary material to

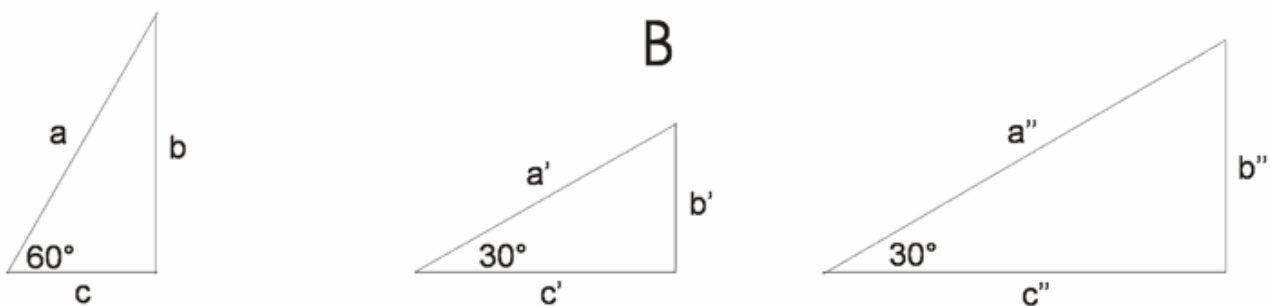
**CAMMAERTS, M.-C. 2007: Perspective vision in workers of  
*Myrmica sabuleti* MEINERT, 1861 (Hymenoptera: Formicidae).  
– Myrmecological News 10: 21-26.**



$$BC = 3 \text{ cm} + x \text{ cm}$$

$$\begin{aligned} x &= b / \sin 30^\circ = b' - b'' / \sin 30^\circ \\ &= (3 \text{ cm} \times \sin 60^\circ) - (3 \text{ cm} \times \sin 30^\circ) / \sin 30^\circ \\ &= (3 \text{ cm} \times 0.866) - (3 \text{ cm} \times 0.5) / 0.5 = 1.098 / 0.5 = 2.2 \text{ cm} \end{aligned}$$

$$BC = 3 \text{ cm} + 2.2 \text{ cm} = 5.2 \text{ cm}$$



$$\begin{aligned} a &= 3 \text{ cm} + (2 \times 0.5 \text{ cm}) = 4 \text{ cm} & a' &= 3 \text{ cm} + (2 \times 0.5 \text{ cm}) = 4 \text{ cm} & a'' &= 5.2 \text{ cm} + (2 \times 0.5 \text{ cm}) = 6.2 \text{ cm} \\ b &= a \times \sin 60^\circ & b' &= a \times \sin 30^\circ & b'' &= a \times \sin 30^\circ \\ &= 4 \text{ cm} \times 0.866 = 3.46 \text{ cm} & &= 4 \text{ cm} \times 0.5 = 2 \text{ cm} & &= 6.2 \text{ cm} \times 0.5 = 3.1 \text{ cm} \\ c &= a \times \cos 60^\circ & c' &= a \times \cos 30^\circ & c'' &= a \times \cos 30^\circ \\ &= 4 \text{ cm} \times 0.5 = 2 \text{ cm} & &= 4 \text{ cm} \times 0.866 = 3.46 \text{ cm} & &= 6.2 \text{ cm} \times 0.866 = 5.4 \text{ cm} \end{aligned}$$