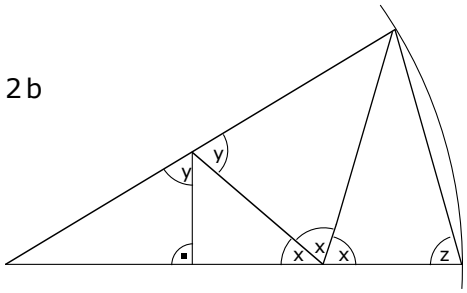
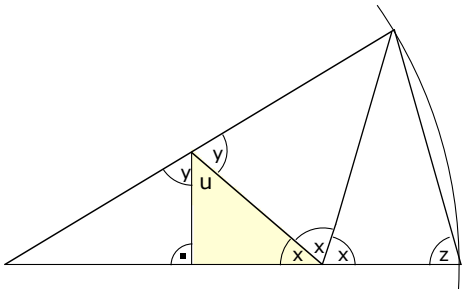
2 b



$3 \cdot x = 180° \quad \Rightarrow \quad x = 60$



Das gelbe Dreieck ist rechtwinklig:

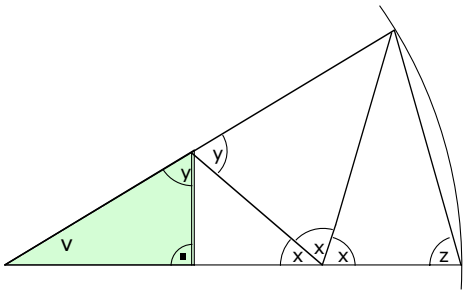
$u = 90° - x = 90° - 60° = 30°$

Damit ergibt sich:

$2y + u = 180°$

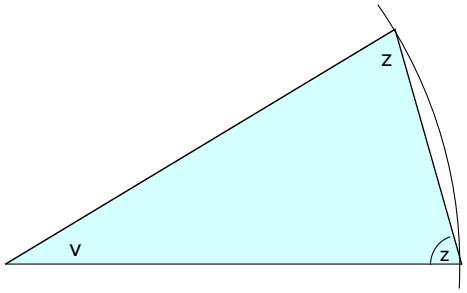
$2y = 180° - u = 180° - 30° = 150°$

$y = 75°$



Das grüne Dreieck ist rechtwinklig:

$v = 90° - y = 90° - 75° = 15°$



Das blaue Dreieck ist gleichschenklig: (Bogen beachten!)

$2z + v = 180°$

$2z = 180° - v = 180° - 15° = 165°$

$z = 82.5°$