

Trigonometrie Aufgabe 21

Rechnen Sie um in das Bogenmaß:

$$301^\circ 17' \triangleq \quad ; 212^\circ 39' \triangleq \quad ; 120^\circ \triangleq \quad .$$

$$301^\circ 17'$$

$$17' = \frac{17}{60}^\circ = 0,28^\circ$$

$$301^\circ 17' = 301,28^\circ$$

$$b = \frac{\pi * 301,28^\circ}{180^\circ} = \mathbf{5,26}$$

$$212^\circ 39'$$

$$39' = \frac{39}{60}^\circ = 0,65^\circ$$

$$212^\circ 39' = 212,65^\circ$$

$$b = \frac{\pi * 212,65^\circ}{180^\circ} = \mathbf{3,71}$$

$$120^\circ$$

$$b = \frac{\pi * 120^\circ}{180^\circ} = \mathbf{2,09}$$