

S 121 Nr. 1

$b \hat{=} \text{Bogenmaß}$      $g \hat{=} \text{Gradmaß}$

$$b = \frac{30 \cdot 2\tilde{\pi}}{360} = \frac{\tilde{\pi}}{6} \quad \text{keine Entsprechung für } 30^\circ$$

$$g = \frac{b \cdot 360}{2\tilde{\pi}} = \frac{\frac{\tilde{\pi}}{2} \cdot 360}{2\tilde{\pi}} = \frac{\tilde{\pi} \cdot 180}{2\tilde{\pi}} = \underline{\underline{90^\circ \hat{=} \frac{\tilde{\pi}}{2}}}$$

$$b = \frac{90 \cdot 2\tilde{\pi}}{360} = \underline{\underline{\frac{\tilde{\pi}}{2} \hat{=} 90^\circ}}$$

$$b = \frac{45 \cdot 2\tilde{\pi}}{360} = \underline{\underline{\frac{\tilde{\pi}}{4} \hat{=} 45^\circ \hat{=} \frac{9}{4}\tilde{\pi} \hat{=} -\frac{7}{4}\tilde{\pi}}}$$

S 121 Nr. 2

a)  $\sin(2,3) \approx 0,7457$     b)  $\cos(1,59) \approx -0,0192$

c)  $\sin\left(\frac{7\tilde{\pi}}{6}\right) \approx -0,5$     d)  $\cos\left(-\frac{\tilde{\pi}}{4}\right) \approx 0,7071$

e)  $\sin(323^\circ) \approx -0,6018$     f)  $\cos(60^\circ) \approx 0,5$

S 121 Nr. 3

a)  $\sin(1) > 0$     b)  $\sin(2) > 0$     c)  $\sin(3) > 0$     d)  $\sin(4) < 0$

e)  $\cos(-2) < 0$     f)  $\cos(7) > 0$     g)  $\cos(11) > 0$     h)  $\sin(-3) < 0$