

NR. 1

$$a) X = \frac{45^\circ \cdot \tilde{\pi}}{180^\circ} = \frac{1}{4} \tilde{\pi} \quad \text{Für } d = 45^\circ$$

$$b) d = 60^\circ \Rightarrow X = \frac{60^\circ}{180^\circ} \cdot \tilde{\pi} = \frac{1}{3} \tilde{\pi}$$

$$c) d = 240^\circ \Rightarrow X = \frac{240^\circ}{180^\circ} \cdot \tilde{\pi} = \frac{4}{3} \tilde{\pi}$$

$$d) d = -120^\circ \Rightarrow X = \frac{-120^\circ \cdot \tilde{\pi}}{180^\circ} = -\frac{2}{3} \tilde{\pi}$$

$$e) d = 720^\circ \Rightarrow X = \frac{720^\circ}{180^\circ} \cdot \tilde{\pi} = 4 \tilde{\pi}$$

$$f) d = -270^\circ \Rightarrow X = \frac{-270^\circ}{180^\circ} \cdot \tilde{\pi} = -\frac{3}{2} \tilde{\pi}$$

$$g) d = -900^\circ \Rightarrow X = \frac{-900}{180^\circ} \cdot \tilde{\pi} = -5 \tilde{\pi}$$

$$h) d = 350^\circ \Rightarrow X = \frac{350^\circ}{180^\circ} \tilde{\pi} = \frac{35}{18} \tilde{\pi} \approx 6,109$$

$$NR. 2 \quad a) X = \frac{\tilde{\pi}}{2} \Rightarrow d = \frac{180^\circ}{\tilde{\pi}} \cdot \frac{\tilde{\pi}}{2} = 90^\circ$$

$$b) X = \frac{2\tilde{\pi}}{3} \Rightarrow d = \frac{180^\circ}{\tilde{\pi}} \cdot \frac{2\tilde{\pi}}{3} = 120^\circ$$

$$c) X = \frac{4}{5} \tilde{\pi} \Rightarrow d = \frac{180^\circ}{\tilde{\pi}} \cdot \frac{4\tilde{\pi}}{5} = 144^\circ$$

$$d) X = -\frac{\tilde{\pi}}{5} \Rightarrow d = \frac{180^\circ}{\tilde{\pi}} \cdot \left(-\frac{\tilde{\pi}}{5}\right) = 36^\circ$$

$$e) X = 5 \Rightarrow d = \frac{180^\circ}{\tilde{\pi}} \cdot 5 \approx 286,48^\circ$$

$$f) X = -8 \Rightarrow d = \frac{180^\circ}{\tilde{\pi}} \cdot (-8) \approx -458,37^\circ$$

$$g) X = -2,5 \Rightarrow d = \frac{180^\circ}{\tilde{\pi}} \cdot (-2,5) \approx -143,24^\circ$$

$$h) X = 20 \Rightarrow d = \frac{180^\circ}{\tilde{\pi}} \cdot 20 \approx 1145,92^\circ$$