Postupy k pracáku

- 62/02:

$$\frac{\pi}{4} = 45^\circ \implies \text{přímý úhel}, \tag{A}$$
$$\frac{\pi}{2} = 90^\circ \implies \text{pravý úhel}, \tag{B}$$
$$\pi = 180^\circ \implies \text{přímý úhel}, \tag{C}$$
$$2\pi = 45^\circ \implies \text{plný úhel}. \tag{D}$$

- 62/03:

$$1 \text{ rad} = 1 \cdot \frac{180^\circ}{\pi} \approx 57,2957812 \approx 57^\circ 17' 45''.$$

- 62/04:

$$\alpha = \frac{\pi}{2} = \frac{180^\circ}{2} = 90^\circ, \qquad \beta = \frac{3\pi}{2} = 3\frac{180^\circ}{2} = 270^\circ; \tag{a}$$
$$\alpha = \frac{\pi}{3} = \frac{180^\circ}{3} = 60^\circ, \qquad \beta = \frac{2\pi}{3} = 2\frac{180^\circ}{3} = 120^\circ; \tag{b}$$
$$\alpha = \frac{\pi}{4} = \frac{180^\circ}{4} = 45^\circ, \qquad \beta = \frac{7\pi}{4} = 7\frac{180^\circ}{4} = 315^\circ; \tag{c}$$
$$\alpha = \frac{\pi}{6} = \frac{180^\circ}{6} = 30^\circ, \qquad \beta = \frac{11\pi}{6} = 11\frac{180^\circ}{6} = 330^\circ. \tag{d}$$

- 62/05:

$$\alpha = \frac{2\pi}{3} = 120^\circ \in \langle 90^\circ, 180^\circ \rangle, \tag{a}$$
$$\alpha = \frac{5\pi}{3} = 300^\circ \in \langle 270^\circ, 360^\circ \rangle, \tag{b}$$
$$\alpha = \frac{5\pi}{4} = 225^\circ \in \langle 180^\circ, 270^\circ \rangle, \tag{c}$$
$$\alpha = \frac{\pi}{8} \in \langle 0, \frac{\pi}{2} \rangle = \langle 0, 90^\circ \rangle. \tag{d}$$

- 64/10:

$$792^\circ - 2 \cdot 360^\circ = 72^\circ, \tag{a}$$
$$-648^\circ + 2 \cdot 360^\circ = 72^\circ, \tag{b}$$
$$\boxed{1162^\circ - 3 \cdot 360^\circ = 82^\circ.} \tag{c}$$

- 64/11:

$$\alpha = 530^\circ = 170^\circ + 1 \cdot 360^\circ, \tag{a}$$
$$\alpha = 2756^\circ = 236^\circ + 7 \cdot 360^\circ, \tag{b}$$
$$\alpha = -450^\circ = 270^\circ - 2 \cdot 360^\circ, \tag{c}$$
$$\alpha = -4704^\circ = 336^\circ - 14 \cdot 360^\circ. \tag{d}$$

- 64/12:

$$N = 860^\circ : 360^\circ = 2 \quad (\text{zbytek } 140^\circ), \tag{a}$$
$$N = -1660^\circ : 360^\circ = 4 \quad (\text{zbytek } -220^\circ \sim 140^\circ), \tag{b}$$
$$N = 3020^\circ : 360^\circ = 8 \quad (\text{zbytek } 140^\circ), \tag{c}$$
$$N = -2380^\circ : 360^\circ = 6 \quad (\text{zbytek } -220^\circ \sim 140^\circ), \tag{d}$$

- 64/13:

$$\alpha = \frac{35\pi}{2} = \frac{\pi}{2} + 17\pi, \tag{a}$$

$$\alpha = \frac{42\pi}{3} = 0 + 14\pi, \tag{b}$$

$$\alpha = -\frac{12\pi}{5} = \frac{8\pi}{5} - 4\pi, \tag{c}$$

$$\alpha = -\frac{26\pi}{4} = \frac{3\pi}{2} - 8\pi. \tag{d}$$

- 64/14:

$$\alpha = \frac{12\pi}{5} \sim \frac{2\pi}{5}, \tag{a}$$

$$\boxed{\alpha = -\frac{12\pi}{5} \sim \frac{8\pi}{5},} \tag{b}$$

$$\alpha = \frac{16\pi}{5} \sim \frac{6\pi}{5}. \tag{c}$$

- 64/13:

$$\alpha \sim 300^\circ \tag{zadání}$$

$$\beta \sim 60^\circ, \tag{a}$$

$$\boxed{\gamma \sim 300^\circ,} \tag{b}$$

$$\delta \sim \frac{5\pi}{6} = 330^\circ, \tag{c}$$

$$\boxed{\varphi \sim \frac{5\pi}{3} = 300^\circ.} \tag{d}$$