B.

Vypočítejte:

1. $\sin 1380° = \sin(1380° - 3\cdot360°) = \sin 300° = -\sin(360°-300°) = -\sin 60° = -\frac{\sqrt{3}}{2}$ 2b
   III. ⊖

2. $\cos \frac{22\pi}{3} = \cos\left(\frac{22}{3}\pi - 3\cdot\frac{6}{3}\pi\right) = \cos\frac{4}{3}\pi = -\cos\left(\frac{4}{3}\pi - \pi\right) = -\cos\frac{1}{3}\pi = -\frac{1}{2}$ 2b
   III. → ⊖

3. $\sin \frac{19\pi}{6} = \sin\left(\frac{19}{6}\pi - 1\cdot\frac{12}{6}\pi\right) = \sin\frac{7}{6}\pi = -\sin\left(\frac{7}{6}\pi - \pi\right) = -\sin\frac{1}{6}\pi = -\frac{1}{2}$ 2b
   III. ⊖

4. $\cos\left(-\frac{52\pi}{4}\right) = \cos\frac{52}{4}\pi = \cos\left(\frac{52}{4}\pi - 6\cdot\frac{8}{4}\pi\right) = \cos\frac{4}{4}\pi = \cos\pi = -1$ 1,5b

5. $\sin\left(-\frac{52\pi}{3}\right) = -\sin\left(\frac{52}{3}\pi - 8\cdot\frac{6}{3}\pi\right) = -\sin\frac{4}{3}\pi = +\sin\left(\frac{4}{3}\pi - \pi\right) = \sin\frac{1}{3}\pi = \frac{\sqrt{3}}{2}$ 2b
   III. → ⊖

6. $\sin\left(-\frac{29\pi}{4}\right) = -\sin\frac{29}{4}\pi = -\sin\left(\frac{29}{4}\pi - 3\cdot\frac{8}{4}\pi\right) = -\sin\frac{5}{4}\pi = +\sin\left(\frac{5}{4}\pi - \pi\right) = \sin\frac{1}{4}\pi = \frac{\sqrt{2}}{2}$ 2b
   III. t → ⊖

7. $\sin 960° = \sin(960° - 2\cdot360°) = \sin 240° = -\sin(240°-180°) = -\sin 60° = -\frac{\sqrt{3}}{2}$ 2b
   III. ⊖

8. $\sin(-495°) = -\sin(495-1\cdot360°) = -\sin 135° = -\sin(180°-135°) = -\sin 45° = -\frac{\sqrt{2}}{2}$ 2b
   II. +

9. $\cos 780° = \cos(480° - 2\cdot360°) = \cos 60° = \frac{1}{2}$ (720)

10. $\sin(-405°) = -\sin(405° - 360°) = -\sin 45° = -\frac{\sqrt{2}}{2}$

A.

Vypočítejte:

1. $\sin \frac{22\pi}{3} = \sin\left(\frac{22}{3}\pi - 3\cdot\frac{6}{3}\pi\right) = \sin\frac{4}{3}\pi = -\sin\left(\frac{4}{3}\pi - \pi\right) = \sin\frac{1}{3}\pi = -\frac{\sqrt{3}}{2}$ 2b
   III. ko. → ⊖

2. $\cos 1380° = \cos(1380° - 3\cdot360°) = \cos 300° = +\cos(360°-300°) = \cos 60° = \frac{1}{2}$ 2b
   (1080°) IV. ko. ⊕

3. $\cos 960° = \cos(960° - 2\cdot360°) = \cos 240° = -\cos(240°-180°) = -\cos 60° = -\frac{1}{2}$ 2b
   (720) III. ⊖

4. $\cos(-495°) = \cos 495° = \cos(495-1\cdot360°) = \cos 135° = -\cos(180°-135°) = -\cos 45° = -\frac{\sqrt{2}}{2}$ 2b
   II. → ⊖

5. $\cos \frac{19\pi}{6} = \cos\left(\frac{19}{6}\pi - 1\cdot\frac{12}{6}\pi\right) = \cos\frac{7}{6}\pi = -\cos\left(\frac{7}{6}\pi - \pi\right) = -\cos\frac{1}{6}\pi = -\frac{\sqrt{3}}{2}$ 2b
   III. → ⊖

6. $\sin\left(-\frac{52\pi}{4}\right) = -\sin\frac{52}{4}\pi = -\sin\left(\frac{52}{4}\pi - 6\cdot\frac{8}{4}\pi\right) = -\sin\frac{4}{4}\pi = -\sin\pi = 0$ 1,5b

7. $\cos\left(-\frac{52\pi}{3}\right) = \cos\frac{52}{3}\pi = \cos\left(\frac{52}{3}\pi - 8\cdot\frac{6}{3}\pi\right) = \cos\frac{4}{3}\pi = -\cos\left(\frac{4}{3}\pi - \pi\right) = -\cos\frac{1}{3}\pi = -\frac{1}{2}$ 2b
   III. ⊖

8. $\sin\left(-\frac{29\pi}{4}\right) = -\sin\frac{29}{4}\pi = -\sin\left(\frac{29}{4}\pi - 3\cdot\frac{8}{4}\pi\right) = -\sin\frac{5}{4}\pi = +\sin\left(\frac{5}{4}\pi - \pi\right) = \sin\frac{1}{4}\pi = \frac{\sqrt{2}}{2}$ 2b
   III. ⊖

9. $\sin 780° = \sin(780° - 2\cdot360°) = \sin 60° = \frac{\sqrt{3}}{2}$ 1b

10. $\cos(-405°) = \cos 405° = \cos(405° - 1\cdot360°) = \cos 45° = \frac{\sqrt{2}}{2}$ 1b