

## Goniometrické vzorce a rovnice - výsledky zadaných úloh

1.  $\operatorname{tg} x = \frac{3}{4}$

5.  $K = \bigcup_{k \in \mathbb{Z}} \left\{ k\pi; \frac{\pi}{6} + k \cdot 2\pi; \frac{5\pi}{6} + k \cdot 2\pi \right\}$

6.  $K = \bigcup_{k \in \mathbb{Z}} \left\{ k \cdot \frac{\pi}{2}; \pm \frac{2\pi}{3} + k \cdot 2\pi \right\}$

7.  $K = \left\{ 0; \frac{\pi}{3}; \pi; \frac{5\pi}{3}; 2\pi \right\}$

8.  $K = \left\{ \frac{\pi}{4}; \frac{5\pi}{4} \right\}$

9.  $K = \left\{ 0; \frac{\pi}{8}; \frac{5\pi}{8}; \pi; \frac{9\pi}{8}; \frac{13\pi}{8}; 2\pi \right\}$

10.  $K = \bigcup_{k \in \mathbb{Z}} \left\{ \frac{\pi}{4} + k \cdot \frac{\pi}{2} \right\}$

11. právě pro všechna  $k \in (-\infty; -2) \cup \left\{ \pm \frac{8}{5} \right\} \cup (2; \infty)$

12.  $K = \left\{ \frac{\pi}{12}; \frac{\pi}{10}; \frac{\pi}{4}; \frac{3\pi}{10}; \frac{\pi}{2}; \frac{7\pi}{10}; \frac{3\pi}{4}; \frac{9\pi}{10}; \frac{11\pi}{12} \right\}$

13.  $K = \left\{ \frac{\pi}{4}; \frac{5\pi}{4} \right\}$

14.  $K = \left\{ 0; \frac{\pi}{4}; \frac{\pi}{2}; \frac{3\pi}{4}; \pi \right\}$

15.  $K = \left\{ \frac{\pi}{16}; \frac{5\pi}{16}; \frac{9\pi}{16}; \frac{3\pi}{4}; \frac{13\pi}{16} \right\}$

16.  $K = \left\{ \frac{\pi}{4}; \frac{3\pi}{4}; \frac{7\pi}{4} \right\}$

17.  $K = \left\{ \frac{17\pi}{30}; \frac{37\pi}{30} \right\}$