

A

3) Řešte v  $\mathbb{R}$ , určete podmínky řešitelnosti

$$2 \sin^2 x - 3 \sin x - 2 = 0$$

$$\sin x = t$$

$$2t^2 - 3t - 2 = 0$$

$$D = 9 + 16 = 25$$

$$t_{1,2} = \frac{3 \pm 5}{4} \Rightarrow t_1 = 2, t_2 = -\frac{1}{2}$$

$$1) \quad \sin x = 2 \Rightarrow P = \emptyset$$

$$2) \quad \sin x = -\frac{1}{2}, x_0 = \frac{\pi}{6}, \text{ III., IV. kv. } \Rightarrow P = \left\{ \frac{7\pi}{6} + k2\pi, \frac{11\pi}{6} + k2\pi \right\}, k \in \mathbb{Z}$$

[Zpět:](#) \_\_\_\_\_

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