

Ecuatii trigonometrice fundamentale

1. Ecuatii trigonometrice de forma $\sin x = a, a \in [-1, 1]$:
 $S = \{(-1)^k \arcsin a + k\pi \mid k \in \mathbb{Z}\}$

2. Ecuatii trigonometrice de forma $\cos x = a, a \in [-1, 1]$:
 $S = \{\pm \arccos a + 2k\pi \mid k \in \mathbb{Z}\}$

3. Ecuatii trigonometrice de forma $\operatorname{tg} x = a, a \in \mathbb{R}$:
 $S = \{\operatorname{arctg} a + k\pi \mid k \in \mathbb{Z}\}$

4. Ecuatii trigonometrice de forma $\operatorname{ctg} x = a, a \in \mathbb{R}$:
 $S = \{\operatorname{arcctg} a + k\pi \mid k \in \mathbb{Z}\}$.

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