BASIC TRIGONOMETRIC EQUATIONS MATCHING & ASSEMBLING PUZZLE

1. Solve the following trigonometric equations on the interval $0 \leq x \leq 2\pi$

2. The answer of e problems are given in random order on the next second slide. Type the number of the problems next to its answer (in the empty boxes provided).

3. A piece of a puzzle corresponds to each answer. Copy and paste, then drag and drop each piece in the empty cell of the square (on the third slide) numbered with the number of the problem having for an answer the answer to which this piece corresponds.

I. SAFAAKOKABE

1a $\sin x = \sqrt{2}/2$	***2a*** $\cos x = -\sqrt{3}/2$	***3a*** $\tan x = -1$	***4a*** $\cot x = \sqrt{3}/3$
1b $\sin(x - \pi/3) = -1$	***2b*** $\cos(x + \pi/6) = -1/2$	***3b*** $\sin(x - \pi/4) = \sqrt{2}/2$	***4b*** $\cos(x + \pi/4) = \sqrt{3}/2$
1c $2\sin(x - \pi/6) = 1$	***2c*** $2\cos(x + \pi/4) = -\sqrt{3}$	***3c*** $\tan(x + \pi/2) = -1$	***4c*** $\cot(x + \pi/3) = 0$

LIVEWORKSHEETS

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π/2 ، 7π/6	π/4 ، 5π/4	π/6 ، 7π/6	3π/4
π/3 ، π/1	π/3 ، 4π/3	π/4 ، 3π/4	19π/12 ، 23π/12
5π/6 ، 7π/6	π/2 ، π/1	11π/6	7π/12 ، 11π/12

T. SAFAAKOKABE

LIVEWORKSHEETS

	1	2	3	4
a				
b				
c				

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LIVEWORKSHEETS