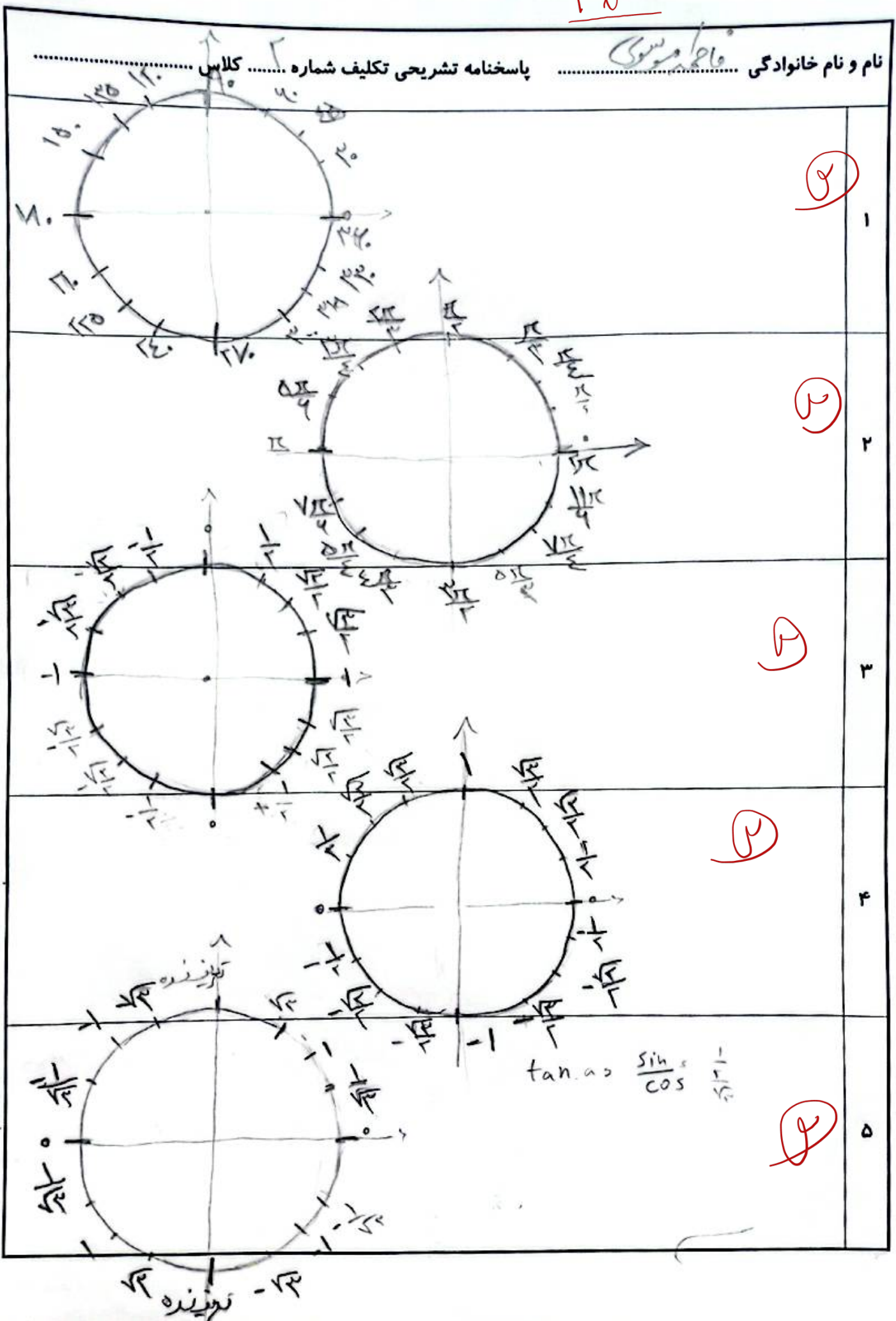
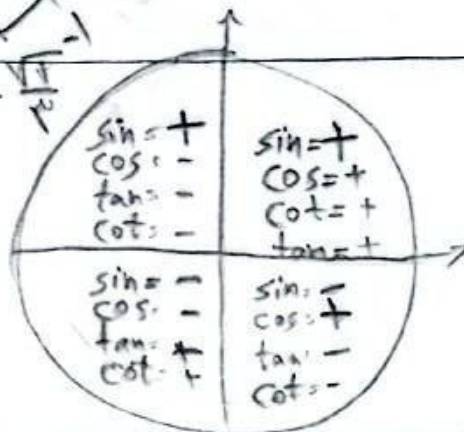




$$\cot \alpha = \frac{\cos}{\sin}$$

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$$\sin(150^\circ) = \frac{\sqrt{3}}{2}$$

$$\cos(150^\circ) = -\frac{\sqrt{3}}{2}$$

$$\tan = \frac{\sqrt{3}}{1}$$

$$\cot = -1$$

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$$\cos \frac{5\pi}{4} = -\frac{1}{2} \rightarrow +\frac{1}{2} \rightarrow 30^\circ \text{ و } 150^\circ \Rightarrow \frac{\pi}{4} \text{ و } \frac{5\pi}{4}$$

نصف اول دوم

$$\cos \frac{11\pi}{4} = \frac{\sqrt{2}}{2} \rightarrow \frac{\sqrt{2}}{2} \rightarrow 45^\circ \text{ و } 315^\circ \Rightarrow \frac{\pi}{4} \text{ و } \frac{7\pi}{4}$$

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$$\frac{\sqrt{2}}{2} = \frac{\sqrt{2}}{2} = -1 \rightarrow \cos \pi$$

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$$\cos 180^\circ = -\frac{\sqrt{3}}{2} \rightarrow \frac{\sqrt{3}}{2} \rightarrow 120^\circ \text{ و } 240^\circ \Rightarrow \frac{2\pi}{3} \text{ و } \frac{4\pi}{3}$$

ب