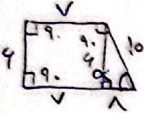
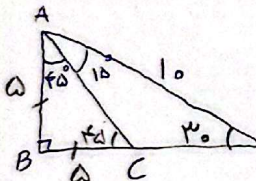
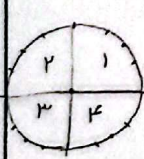


$\tan \theta = \omega$ $\frac{3 \sin \theta - \cos \theta}{\sin \theta - 4 \cos \theta}$ $\frac{15}{\sqrt{19}} - \frac{1}{\sqrt{19}} = \frac{14}{\sqrt{19}} \times \frac{\sqrt{19}}{1} = 14$ $\frac{15}{\sqrt{19}} - \frac{1}{\sqrt{19}}$	$\tan^2 \theta = 19 \rightarrow \tan^2 \theta + 1 = \frac{1}{\cos^2 \theta} = 20 \rightarrow \cos^2 = \frac{1}{20}$ $\cos \theta = \frac{1}{\sqrt{20}}$ $\sin^2 + \cos^2 = 1$ $\sin^2 = 1 - \frac{1}{20}$ $\sin^2 = \frac{19}{20}$ $\sin \theta = \frac{\omega}{\sqrt{19}}$	6
$\sin \alpha = \frac{9}{10}$ $\alpha = 37^\circ$  $\frac{9}{10} = \frac{9}{10} \rightarrow 10 = \text{وتر}$ $S = \frac{(V+15) \times 3}{x} = 44$ نصف من خوار	ω	7
$DC = 2(\sqrt{3} - 1)$  $100 = 25 + x^2$ $75 = x^2 \rightarrow x = \sqrt{75} = 5\sqrt{3}$ $5\sqrt{3} = 5 + CD \rightarrow DC = 5\sqrt{3} - 5$	ω	8
تابع سیم (الف)  تابع دوم (ب)	ω	9
$\tan x = \frac{1}{3}$ $\sin x = \frac{-1}{\sqrt{10}} = -\frac{\sqrt{10}}{10}$ تابع سوم!	$\frac{1}{3} + \frac{1}{9} = \frac{1}{\cos^2 x}$ $\frac{1}{9} = \frac{1}{\cos^2 x} \rightarrow \cos^2 = \frac{9}{10} \rightarrow \cos = \frac{3}{\sqrt{10}} = \frac{3\sqrt{10}}{10}$ $\frac{9}{10} + \sin^2 = 1 \rightarrow \sin^2 = \frac{1}{10}$	10